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Continued

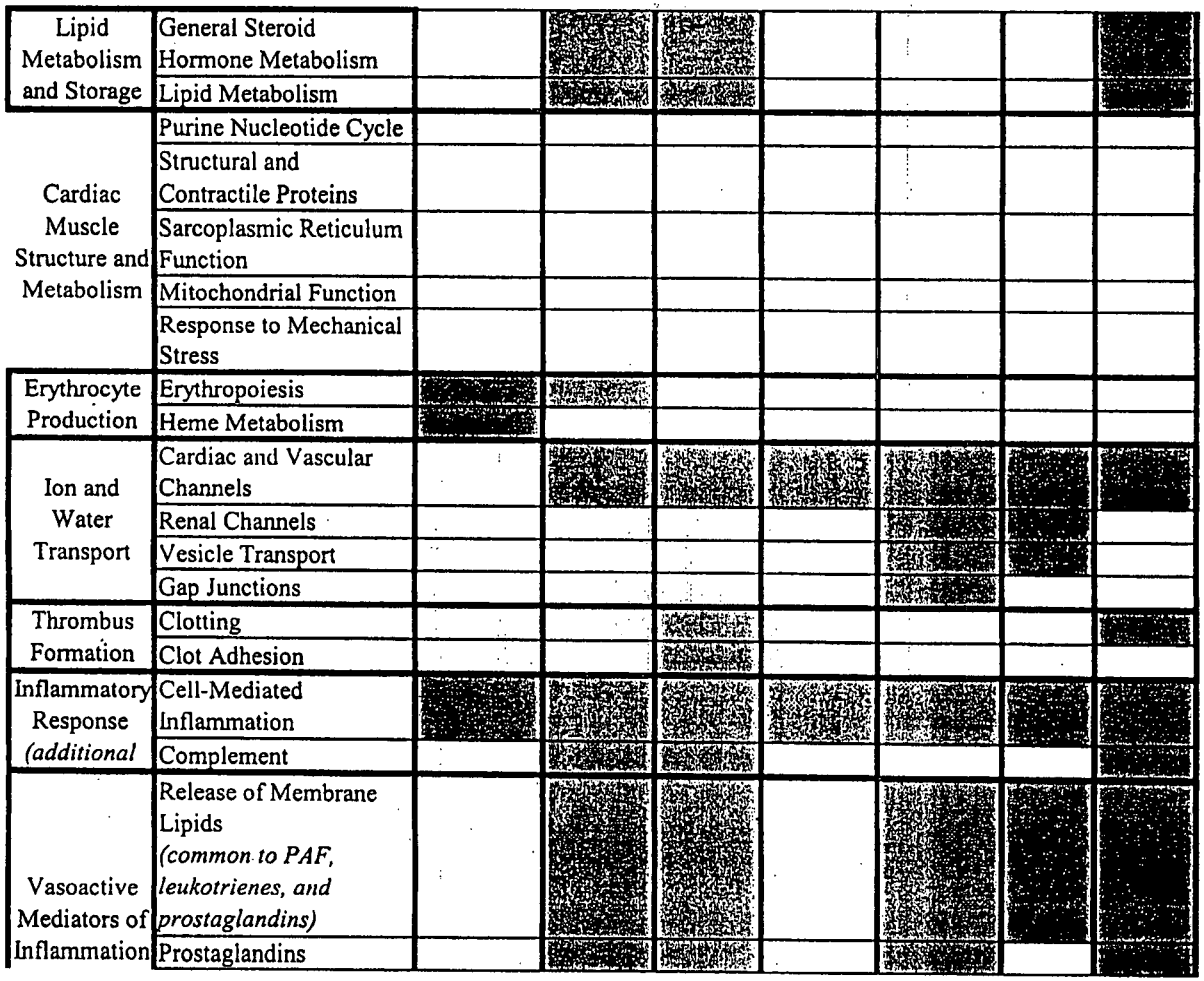
Hormonal Regulation of Appetite	Adrenocorticotropic Hormone				
	PACAP				
	Enterostatin				
	Insulin				
	Leptin				
	Thyroid Hormone				
Control of Metabolism	Glucagon				
	Glucagon-Like Peptide				
	Insulin				
Thermo-regulation	Uncoupling Proteins				
General Growth Control	Somatostatin				
	Growth Hormone				
	Insulin-Like Growth Factor				
	Fibroblast Growth Factor				
	Sonic Hedgehog				
	Nerve Growth Factor				
	Neurotrophins				
	Hormone Signalling				
Carbohydrate Metabolism and Storage	Metabolism				
	Glycolytic Protein Maturation and				
Hyperglycemic Stress (hypoxia, vascular endothelium thickening	Protein Glycosylation				
	Neovascularization				
	Hemostasis				
	Amelioration of Oxidative Stress				

Adipocyte Differentiatio	Retinoids							
	Peroxisome Proliferation							
Lipid Metabolism and Storage	Lipid Metabolism and Storage							
Calcium Homeostasis	Calcium Metabolism							
	Bone Growth Factors and Receptors							
	Vitamin D							
Phosphate Homeostasis	Phosphate Metabolism							
Inflammation	Cytokines							
(more genes	Adhesion							

Table 11. Cardiovascular or Renal Indication

	Pathway	Anemia	Athero-sclerosis	Angina	Arrhythmia	Hype-rtension	Hypo-tension	Ischemia
Neuroendocrine Control of Heart Rate, Vascular	Dopamine Pathway							
	Epinephrine and Norepinephrine Pathway							
	Acetylcholine Pathway							
	Serotonin Pathway							
	Adenosine Pathway							
	Histaminergic Pathway							
	Nitric Oxide Pathway							
	General Metabolism for Peptide Hormones *(proteases and glycosylases)*							
	Cholecystokinin (CCK)							

Tone, and Renal Function	Neuropeptide Y (NPY)							
	Bradykinin							
	Adrenomedullin							
	Angiotensin							
	Vasopressin							
	Vasoactive Intestinal Peptide							
	Natriuretic Peptide							
	Mineralocorticosteroids							
	Estrogens							
	Progestins							
	Androgens							
Growth Factors	Vascular Endothelial Growth Factor							
	Growth Hormone							
	Endothelin							
	Transforming Growth Factor Beta							
Growth Factors	Fibroblast Growth Factor							
	Somatostatin							
	Insulin							
	Insulin-Like Growth Factor							
	Angiopoietin							
Growth Factors	Platelet-Derived Growth Factor							
	Second Messengers							
	Apoptosis							
	Adhesion							



Lipid Metabolism and Storage	General Steroid Hormone Metabolism
	Lipid Metabolism
Cardiac Muscle Structure and Metabolism	Purine Nucleotide Cycle
	Structural and Contractile Proteins
	Sarcoplasmic Reticulum Function
	Mitochondrial Function
	Response to Mechanical Stress
Erythrocyte Production	Erythropoiesis
	Heme Metabolism
Ion and Water Transport	Cardiac and Vascular Channels
	Renal Channels
	Vesicle Transport
	Gap Junctions
Thrombus Formation	Clotting
	Clot Adhesion
Inflammatory Response *(additional*	Cell-Mediated Inflammation
	Complement
Vasoactive Mediators of Inflammation	Release of Membrane Lipids *(common to PAF, leukotrienes, and prostaglandins)*
	Prostaglandins

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	Leukotrienes							
	Platelet Activating Factor (PAF)							
Amelioration of Oxidative Stress	Antioxidants and Free Radical Scavengers							
	Prevention of Lipid Oxidation							

Table 11. Cardiovascular or Renal Indication

	Pathway	Heart Failure	Thrombosis	Renal Disease	Restenosis	Peripheral Vascular Disease
Neuroendocrine Control of Heart Rate, Vascular Tone, and Renal Function	Dopamine Pathway					
	Epinephrine and Norepinephrine Pathway					
	Acetylcholine Pathway					
	Serotonin Pathway					
	Adenosine Pathway					
	Histaminergic Pathway					
	Nitric Oxide Pathway					
	General Metabolism for Peptide Hormones *(proteases and glycosylases)*					
	Cholecystokinin (CCK)					
	Neuropeptide Y (NPY)					
	Bradykinin					
	Adrenomedullin					
	Angiotensin					

	Vasopressin					
	Vasoactive Intestinal Peptide					
	Natriuretic Peptide					
	Mineralocorticosteroids					
	Estrogens					
	Progestins					
	Androgens					
Growth Factors	Vascular Endothelial Growth Factor					
	Growth Hormone					
	Endothelin					
	Transforming Growth Factor Beta					
Growth Factors	Fibroblast Growth Factor					
	Somatostatin					
	Insulin					
	Insulin-Like Growth Factor					
	Angiopoietin					
Growth Factors	Platelet-Derived Growth Factor					
	Second Messengers					
	Apoptosis					
	Adhesion					
Lipid Metabolism and Storage	General Steroid Hormone Metabolism					
	Lipid Metabolism					
	Purine Nucleotide Cycle					

Cardiac Muscle Structure and Metabolism	Structural and Contractile Proteins					
	Sarcoplasmic Reticulum Function					
	Mitochondrial Function					
	Response to Mechanical Stress					
Erythrocyte Production	Erythropoiesis					
	Heme Metabolism					
Ion and Water Transport	Cardiac and Vascular Channels					
	Renal Channels					
	Vesicle Transport					
	Gap Junctions					
Thrombus Formation	Clotting					
	Clot Adhesion					
Inflammatory Response *(additional*	Cell-Mediated Inflammation					
	Complement					
Vasoactive Mediators of Inflammation	Release of Membrane Lipids *(common to PAF, leukotrienes, and prostaglandins)*					
	Prostaglandins					
	Leukotrienes					
	Platelet Activating Factor (PAF)					

Amelioration of Oxidative Stress	Antioxidants and Free Radical Scavengers					
	Prevention of Lipid Oxidation					

Table 12. Identified Variances In Genes for Pathways Identified in Cancer and Related Disorders

AB002356	AB002356	603584	GEN-1CL	Human mRNA for KIAA0358 gene, complete cds	269	82G>A	V28M
AB002356	AB002356	603584	GEN-1CL	Human mRNA for KIAA0358 gene, complete cds	1567	1380G>A	S
AB002356	AB002356	603584	GEN-1CL	Human mRNA for KIAA0358 gene, complete cds	1627	1440C>T	S
AB002356	AB002356	603584	GEN-1CL	Human mRNA for KIAA0358 gene, complete cds	2438	2251G>A	V751M
AB007144	AB007144	603289	GEN-13J	Homo sapiens mRNA for ZIP-kinase, complete cds	360	267G>T	S
AB007144	AB007144	603289	GEN-13J	Homo sapiens mRNA for ZIP-kinase, complete cds	1765	1672G>A	3
AB007873	AB007873	602233	GEN-104	Homo sapiens KIAA0413 mRNA, complete cds	5024	5024G>A	3
AB007873	AB007873	602233	GEN-104	Homo sapiens KIAA0413 mRNA, complete cds	5045	5045G>A	3
AB007873	AB007873	602233	GEN-104	Homo sapiens KIAA0413 mRNA, complete cds	5265	5265T>C	3
AB020680	AB020680	None	GEN-LAX	Homo sapiens mRNA for KIAA0873 protein, partial cds	3854	3854A>G	3
AF001174	AF001174	602898	GEN-18T	Homo sapiens p38beta2 MAP kinase mRNA, complete cds	1044	1038T>C	S
AF001433	AF001433	601671	GEN-	Human requiem (HREQ)	2378	2337T>C	3

			18D	mRNA, complete cds			
AF001900	AF001900	None	GEN-17W	Homo sapiens secreted frizzled-related protein mRNA, complete cds	782	480G>C	S
AF001900	AF001900	None	GEN-17W	Homo sapiens secreted frizzled-related protein mRNA, complete cds	1668	1366G>A	3
AF004709	AF004709	602899	GEN-UX	Homo sapiens stress-activated protein kinase 4 mRNA, complete cds	432	384G>A	S
AF006689	AF006689	603014	GEN-YA	Homo sapiens MAP kinase kinase Jnkk2 mRNA, complete cds	75	(-1)G>A	5
AF009620	AF009620	601763	GEN-1HV	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	808	808C>G	H270D
AF009620	AF009620	601763	GEN-1HV	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	915	915G>A	S
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	234	95T>C	L32P
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	339	200C>T	A67V
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	1397	1258G>C	3
AF013988	AF013988	602652	GEN-20E	Homo sapiens serine protease mRNA, complete cds	271	125C>T	S42L
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds	781	781G>A	3
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds	883	883C>A	3
AF026070	AF026070	None	GEN-26S	Homo sapiens death receptor 3 beta (DR3)	455	387A>G	S

AF026070	AF026070	None	GEN-26S	mRNA, complete cds Homo sapiens death receptor 3 beta (DR3)	1202	1134T>C	S
AF026070	AF026070	None	GEN-26S	mRNA, complete cds Homo sapiens death receptor 3 beta (DR3)	1204	1136T>G	L379R
AF026070	AF026070	None	GEN-26S	mRNA, complete cds Homo sapiens death receptor 3 beta (DR3)	1237	1169A>G	H390R
AF027706	AF027706	None	GEN-L9F	mRNA, complete cds Homo sapiens serine/threonine kinase RICK (RICK) mRNA, complete cds	1424	1200T>A	S
AF029761	AF029761	None	GEN-MND	Homo sapiens decoy receptor 2 mRNA, complete cds	1011	929C>T	S310L
AF030227	AF030227	164875	GEN-MM5	untitled	2702	2605G>A	3
ITGA7	AF032108	600536	GEN-2NO	Homo sapiens integrin alpha-7 mRNA, complete cds	527	366G>A	S
AF035606	AF035606	None	GEN-LCZ	Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds	564	438C>T	S
AF035606	AF035606	None	GEN-LCZ	Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds	1006	880T>C	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	842	659G>T	R220I
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	1971	1788G>C	Q596H
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	3048	2865A>G	S
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	3909	3726A>G	S
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	4483	4300T>C	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	5644	5461A>G	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor	5675	5492T>A	3

				coactivator (ACTR)			
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	6051	5868T>G	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	6664	6481G>A	3
AF053712	AF053712	None	GEN-MM2	Homo sapiens osteoprotegerin ligand mRNA, complete cds	2086	1902T>G	3
AF093771	AF093771	None	GEN-LTJ	Homo sapiens mitoxantrone resistance protein 1 mRNA, partial sequence	528	529G>A	3
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	65	(-39)G>C	5
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	197	94A>G	K32E
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	227	124G>A	G42R
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	348	245C>T	T82M
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	149	100G>A	D34N
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	341	292G>T	V98L
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	479	430A>T	N144Y
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	1288	1239G>A	3
D12614	D12614	153440	GEN-QD	Human mRNA for lymphotoxin (TNF-beta), complete cds	319	179C>A	T60N
D15057	D15057	600243	GEN-1T5	Human mRNA for DAD-1, complete cds	46	(-21)C>T	5
D15057	D15057	600243	GEN-1T5	Human mRNA for DAD-1, complete cds	409	343A>C	3
D15057	D15057	600243	GEN-1T5	Human mRNA for DAD-1, complete cds	464	398G>C	3
D15057	D15057	600243	GEN-1T5	Human mRNA for DAD-1, complete cds	500	434A>G	3
D15057	D15057	600243	GEN-	Human mRNA for DAD-1,	654	588T>C	3

			1T5	complete cds			
D15057	D15057	600243	GEN-1T5	Human mRNA for DAD-1, complete cds	686	620A>C	3
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	726	635G>A	R212H
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1047	956C>G	S319W
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1075	984A>C	S
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	25	(-47)G>A	5
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	1332	1261A>G	I421V
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	1855	1784G>C	3
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	203	204C>G	3
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	231	232C>A	3
D38145	D38145	601699	GEN-4E3	Human mRNA for prostacyclin synthase, complete cds	1646	1619T>C	3
NT5	D38524	129190	GEN-2PF	Human mRNA for 5-nucleotidase	3075	2992C>T	3
D50840	D50840	602874	GEN-314	Human mRNA for ceramide glucosyltransferase, complete cds	638	348T>C	S
D50840	D50840	602874	GEN-314	Human mRNA for ceramide glucosyltransferase, complete cds	1151	861A>G	S
D78586	D78586	114010	GEN-BR	CAD PROTEIN	5308	5282C>A	P1761H
D87461	D87461	601931	GEN-43N	Human mRNA for KIAA0271 gene, complete cds	2432	2256C>A	3
AAC2	D90040	243400	GEN-465	Human mRNA for arylamine N-acetyltransferase (EC	232	191G>A	R64Q

AAC2	D90040	243400	GEN-465	2.3.1.5) Human mRNA for arylamine N-acetyltransferase (EC	323	282C>T	S
AAC2	D90040	243400	GEN-465	2.3.1.5) Human mRNA for arylamine N-acetyltransferase (EC	844	803A>G	K268R
D90041	D90041	108345	GEN-464	2.3.1.5) Human liver arylamine N-acetyltransferase (EC	591	445G>A	V149I
D90041	D90041	108345	GEN-464	2.3.1.5) gene Human liver arylamine N-acetyltransferase (EC	1240	1094C>A	3
DHFR	J00140	126060	GEN-4E9	2.3.1.5) gene Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	829	787C>T	3
J00277	J00277	190020	GEN-MH8	Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence	81	81T>C	S
J03143	J03143	107470	GEN-ZK	Human interferon-gamma receptor mRNA, complete cds	1098	1050T>G	S
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	133	133G>A	E45K
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	288	288C>T	S
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	932	380G>A	R127H
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1063	511G>A	A171T
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1190	638C>G	3
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1201	649C>T	3
J03250	J03250	172420	GEN-C4	DNA topoisomerase I	160	(-52)C>T	5

J03250	J03250	172420	GEN-C4	DNA topoisomerase I	590	379G>A	V127I
J03250	J03250	172420	GEN-C4	DNA topoisomerase I	1984	1773G>A	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	172	57C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	559	444C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1704	1589C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1833	1718C>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1959	1844A>C	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3301	3186C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3991	3876A>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	55	21C>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	959	925C>A	P309T
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	1762	1728A>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043AC>AC	3

J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043delAC	F
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2328	2294C>T	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2376	2342T>G	3
J03626	J03626	258900	GEN-C6	Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	742	638G>C	G213A
J03626	J03626	258900	GEN-C6	Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	742	638G>C	G213A
J03626	J03626	258900	GEN-C6	Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	1424	1320C>T	S
J03626	J03626	258900	GEN-C6	Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	1575	1471A>G	3
J03626	J03626	258900	GEN-C6	Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	1603	1499delT	F
J03746	J03746	138330	GEN-11Z	Human glutathione S-transferase mRNA, complete cds	560	487A>G	3
J03746	J03746	138330	GEN-11Z	Human glutathione S-transferase mRNA, complete cds	598	525T>G	3
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	99	84T>C	S
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	543	528C>T	S

J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	643	628T>A	S210T
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	728	713C>G	3
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	902	887C>T	3
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	454	401G>A	R134K
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	969	916C>G	Q306E
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	1614	1561T>C	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2011	1958G>A	R653Q
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2335	2282C>T	T761M
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	543	507G>A	S
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1385	1349G>A	R450Q
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1474	1438A>G	K480E
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1496	1460G>A	R487K
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1517	1481G>A	R494Q
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1520	1484A>G	E495G
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	1594	1558A>T	F
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	2443	2407C>T	P803S
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	4008	3972A>C	S
J04088	J04088	126430	GEN-8C	Topoisomerase II alpha	4446	4410T>G	S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	206	206G>A	R69H
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	1780	1780C>T	S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	2478	2478G>A	S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	2978	2978C>A	T993N
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3415	3415C>T	P1139S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3661	3661C>T	3
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3804	3804A>G	3
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	4071	4071G>A	3
GSTM3	J05459	138390	GEN-17O	Human glutathione transferase M3 (GSTM3) mRNA, complete cds	687	670G>A	V224I
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH	173	156A>G	S

				dehydrogenase (PGDH)			
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	913	896C>G	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	950	933G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1448	1431G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	260	260C>G	A87G
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	449	449G>C	+150S
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	887	887A>G	Y296C
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	902	902C>A	P301H
K02286	K02286	191840	GEN-SQ	Human urokinase gene, 3 end	905	905A>G	N302S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	90	33C>T	S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	90	33C>T	S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	112	55G>A	G19R
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	279	222G>A	S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	282	225G>A	S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	313	256C>T	F
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	329	272-278TGGCTGT>TGGCTGT	S
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	329	272-278delTGGCTGT	F
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	334	277G>T	V93F
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	445	388A>G	R130G
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	479	422C>T	P141L
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	487	430G>A	E144K
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	772	715A>G	3
K02581	K02581	188300	GEN-CI	Thymidine kinase 1	867	810G>A	3

K02581	K02581	188300	GEN-CI	Thymidine kinase 1	867	810G>A	3
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	19	(-68)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	26	(-61)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	48	(-39)C>T	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	114	28G>A	E10K
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	119	33G>A	M11I
L00634	L00634	134635	GEN-CK	Farnesyltransferase, CAAX box, alpha	182	166G>T	V56L
L00634	L00634	134635	GEN-CK	Farnesyltransferase, CAAX box, alpha	184	168G>A	S
L01087	L01087	600448	GEN-CM	Protein kinase C-theta	1940	1846C>A	S
L01087	L01087	600448	GEN-CM	Protein kinase C-theta	1943	1849G>A	E617K
GSTM5	L02321	138385	GEN-WO	Human glutathione S-transferase (GSTM5) mRNA, complete cds	1406	1349T>C	3
L05628	L05628	158343	GEN-4D9	Human multidrug resistance-associated protein (MRP) mRNA, complete cds	3369	3173G>A	R1058Q
L05628	L05628	158343	GEN-4D9	Human multidrug resistance-associated protein (MRP) mRNA, complete cds	4198	4002G>A	S
TGFBR3	L07594	600742	GEN-1EA	Human transforming growth factor-beta type III receptor (TGF-beta) mRNA, complete cds	3966	3618G>C	3
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	445	387G>A	S
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	1835	1777G>A	V593M
L11284	L11284	176872	GEN-1K8	Homosapiens ERK activator kinase (MEK1) mRNA	1763	1764T>C	3
L11284	L11284	176872	GEN-1K8	Homosapiens ERK activator kinase (MEK1) mRNA	1914	1915G>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	252	253C>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2)	276	277T>C	3

				mRNA			
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	537	538C>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	613	614G>C	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	744	745A>C	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1156	1157G>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1311	1312C>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1457	1458C>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1459	1460A>C	3
L12002	L12002	192975	GEN-I	Leukocyte integrin alpha-4	1208	798T>C	S
L19182	L19182	602867	GEN-21Z	Human MAC25 mRNA, complete cds	297	284G>A	R95K
L22473	L22473	600040	GEN-L9D	Human Bax alpha mRNA, complete cds	552	552G>A	S
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1422	1185T>C	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1490	1253C>T	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1517	1280A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2244	2007A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2299	2062A>G	3
CDA	L27943	123920	GEN-4E4	Homo sapiens cytidine deaminase (CDA) mRNA, complete cds	552	435T>C	S
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2	547	159C>T	S

				(subtype EP2), 53kD			
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	611	223G>A	V75M
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	1725	1337A>G	Q446R
L32866	L32866	603352	GEN-2JC	Human effector cell protease receptor-1 (EPR-1) gene, partial cds	308	306A>G	3
L36719	L36719	602315	GEN-2NE	Homo sapiens MAP kinase kinase 3 (MKK3) mRNA, complete cds	1227	890C>A	T297N
L36719	L36719	602315	GEN-2NE	Homo sapiens MAP kinase kinase 3 (MKK3) mRNA, complete cds	1271	934A>G	K312E
GSTT2	L38503	600437	GEN-2PC	Homo sapiens glutathione S-transferase theta 2 (GSTT2) mRNA, complete cds	203	203C>T	S68L
GSTT2	L38503	600437	GEN-2PC	Homo sapiens glutathione S-transferase theta 2 (GSTT2) mRNA, complete cds	543	543C>T	S
L41690	L41690	None	GEN-2T4	Homo sapiens TNF receptor-1 associated protein (TRADD) mRNA, 3 end of cds	399	399G>T	E133D
L41690	L41690	None	GEN-2T4	Homo sapiens TNF receptor-1 associated protein (TRADD) mRNA, 3 end of cds	417	417G>T	E139D
L78207	L78207	600509	GEN-5Q	Cell surface receptor for sulfonylureas on pancreatic b cells	4019	3981A>G	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	1220	1088A>G	N363S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893AG>AG	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893delAG	F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2054	1922A>T	D641V

M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2372	2240T>G	I747S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>C	L753F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>T	L753F
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	2166	2034C>T	S
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	3
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	3
ETS2	M11922	164740	GEN-1LG	Human Hu-ets-2 gene, homologous to avian erythroblastosis virus transforming gene, partial cds	54	54A>G	S
M12674	M12674	133430	GEN-7Z	Estrogen receptor	1267	975C>G	S
M12783	M12783	190040	GEN-QF	Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds	1896	804T>C	3
M12783	M12783	190040	GEN-QF	Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds	2148	1056T>C	3
M12783	M12783	190040	GEN-QF	Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds	2250	1158G>A	3
M13194	M13194	126380	GEN-EA	DNA EXCISION REPAIR PROTEIN ERCC-1	496	354C>T	S
M13194	M13194	126380	GEN-EA	DNA EXCISION REPAIR PROTEIN ERCC-1	1078	936C>T	3
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	383	315A>G	S
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	899	831G>A	S
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	1522	1454A>G	3
M13509	M13509	120353	GEN-QJ	Human skin collagenase mRNA, complete cds	1747	1679C>T	3
BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-	1744	286G>A	A96T

BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	1786	328G>C	G110R
BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	2959	1501A>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	184	(-11)T>C	5
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	270	76G>C	V26L
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	446	252C>T	S
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1254	1060C>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1306	1112G>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1336	1142T>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1338	1144C>T	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1451	1257G>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1462	1268C>T	3
M14221	M14221	161565	GEN-QM	Human cathepsin B	1522	1328G>C	3

				proteinase mRNA, complete cds			
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1557	1363G>C	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1585	1391C>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1630	1436T>C	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1668	1474T>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1712	1518C>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1898	1704A>G	3
ARG1	M14502	207800	GEN-1RE	Human liver arginase mRNA, complete cds	800	744C>T	S
ABL1	M14752	189980	GEN-1S7	Human c-abl gene, complete cds	2233	1869G>A	S
ABL1	M14752	189980	GEN-1S7	Human c-abl gene, complete cds	3826	3462A>G	3
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	978	554-555TT>GA>GA	V185G
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	978	554-555TT>TT	S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	1623	1199G>A	S400N
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3101	2677G>A	A893T
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3101	2677G>T	A893S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3859	3435C>T	S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	4460	4036A>G	3

NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2716	2603C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2729	2616C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2912	2799G>A	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	3252	3139C>G	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	890	818G>A	G273E
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	978	906A>G	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1173	1101C>A	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1395	1323T>C	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1614	1542C>T	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1965	1893C>T	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2505	2433G>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2505	2433G>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2528	2456C>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2528	2456C>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2553	2481G>C	3
PCNA	M15796	176740	GEN-1UE	Human cyclin protein gene, complete cds	1063	945C>G	3
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	16	(-40)G>A	5
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	54	(-2)T>C	5
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	84	29T>C	F10S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	111	56C>T	T19I
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST)	170	115G>T	F

				mRNA, complete cds			
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	321	266G>A	R89K
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	376	321C>T	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	430	375G>A	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	622	567C>T	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	684	629A>C	E210A
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	701	646G>T	A216S
M15990	M15990	164880	GEN-1UR	Human c-yes-1 mRNA	3403	3196G>A	3
M15990	M15990	164880	GEN-1UR	Human c-yes-1 mRNA	3864	3657G>A	3
M15990	M15990	164880	GEN-1UR	Human c-yes-1 mRNA	3969	3762A>C	3
M15990	M15990	164880	GEN-1UR	Human c-yes-1 mRNA	4148	3941T>C	3
M16650	M16650	165640	GEN-EH	Ornithine decarboxylase 1	1330	1243G>C	E415Q
M16650	M16650	165640	GEN-EH	Ornithine decarboxylase 1	1356	1269C>T	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	995	633G>A	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	1385	1023T>C	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	1786	1424G>A	G475E
M20137	M20137	147740	GEN-CCJ	Human interleukin 3 (IL-3) mRNA, complete cds, clone pcD-SR-alpha	132	79C>T	P27S

M20566	M20566	147880	GEN-3A	Interleukin 6A	3058	2621A>T	3
M21154	M21154	180980	GEN-EM	S-adenosylmethionine decarboxylase 1	1050	802A>G	I268V
M21154	M21154	180980	GEN-EM	S-adenosylmethionine decarboxylase 1	1139	891T>G	S
M24857	M24857	180190	GEN-80	Retinoic acid receptor, gamma 1	1694	1280C>T	S427L
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	32	(-52)T>C	5
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	67	(-17)G>A	5
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	110	27T>C	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	153	70T>C	S24P
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	203	120G>A	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	263	180C>T	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	264	181G>A	G61S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	285	202C>A	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential	288	205A>G	S69G

SCYA3	M25315	601395	GEN-29M	lymphokine/cytokine mRNA, complete cds Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	291	208C>G	R70G
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	335	252T>C	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	341	258C>T	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	395	312G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	452	369C>T	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	479	396G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	549	466G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	561	478C>T	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	617	534C>G	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine	660	577A>G	3

				mRNA, complete cds			
M25753	M25753	123836	GEN-ET	Cyclin B1	167	168C>T	3
M25753	M25753	123836	GEN-ET	Cyclin B1	1055	1056G>A	3
M26383	M26383	146930	GEN-3E	Interleukin 8	259	185C>G	A62G
M26383	M26383	146930	GEN-3E	Interleukin 8	1237	1163A>T	3
M26383	M26383	146930	GEN-3E	Interleukin 8	1281	1207A>G	3
M27396	M27396	108370	GEN-EX	Asparagine Synthase	807	629T>A	V210E
M27396	M27396	108370	GEN-EX	Asparagine Synthase	1387	1209C>G	S
M27492	M27492	147810	GEN-3F	INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	4686	4604T>G	3
M29696	M29696	146661	GEN-3H	Interleukin 7 receptor	1088	1066G>A	V356I
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	923	759A>G	I253M
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	1048	884T>C	3
M31145	M31145	146730	GEN-3J	Insulin-like growth factor binding protein 1 precursor	1260	1096C>G	3
M31159	M31159	146732	GEN-2GD	Human growth hormone-dependent insulin-like growth factor-binding protein mRNA, complete cds	204	95G>C	G32A
M31159	M31159	146732	GEN-2GD	Human growth hormone-dependent insulin-like growth factor-binding protein mRNA, complete cds	2178	2069A>T	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1271	1241C>T	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1344	1314G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1489	1459G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1780	1750T>C	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	676	587T>G	M196R
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1176	1087G>A	A363T

M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1668	1579G>T	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	2898	2809G>A	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	3671	3582G>A	3
VEGF	M32977	192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	50	(-7)C>T	5
VEGF	M32977	192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	92	36C>T	S
RB1	M33647	180200	GEN-2K1	Human retinoblastoma associated (RB1) mRNA, complete cds	1105	1102G>A	V368I
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	1448	1419C>T	S
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	2778	2749A>C	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	2904	2875T>C	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	3077	3048G>A	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	3095	3066T>A	3
MET	M35074	164860	GEN-2LU	Human met oncogene mRNA, 3 end	60	60C>T	S
MET	M35074	164860	GEN-2LU	Human met oncogene mRNA, 3 end	294	294G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	53	35T>C	V12A
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	900	882T>C	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	S

M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2226	2208C>T	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2426	2408G>C	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3056	3038C>T	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3098	3080A>G	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3403	3385A>T	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3927	3909C>T	3
M37825	M37825	165190	GEN-2OM	Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds	787	648T>G	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	711	519T>C	S
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	936	744G>T	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	1270	1078T>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	3268	3076T>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4529	4337A>C	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4555	4363A>G	3
M54968	M54968	190070	GEN-35G	Human K-ras oncogene protein mRNA, complete cds	4672	4480A>C	3
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	193	45T>C	S
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	1007	859A>C	S287R

CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	1180	1032G>A	S
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	1199	1051A>G	M351V
CSNK2A2	M55268	115442	GEN-35X	Human casein kinase II alpha subunit mRNA, complete cds	1532	1369C>A	3
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	644	639C>A	S
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	1892	1887C>A	3
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	2030	2025G>A	3
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	210	195G>C	W65C
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	264	249A>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	265	250C>T	L84F
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	265	250C>T	L84F
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	442	427A>G	I143V
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	442	427A>G	I143V
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	493	478G>A	G160R
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	548	533A>G	K178R
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	582	567G>A	S
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	323	(-123)G>C	5
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA,	1180	735T>C	3

				complete cds			
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1201	756A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1216	771A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1218	773G>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1266	821A>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1306	861C>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1654	1209A>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1657	1212T>C	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1799	1354A>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1801	1356C>T	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1867	1422A>G	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1945	1500C>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	1973	1528G>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2167	1722G>A	3
FGF7	M60828	148180	GEN-	Human keratinocyte	2186	1741A>G	3

			3BE	growth factor mRNA, complete cds			
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2302	1857T>A	3
FGF7	M60828	148180	GEN-3BE	Human keratinocyte growth factor mRNA, complete cds	2328	1883G>A	3
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	693	669A>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	723	699T>C	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	849	825T>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	858	834G>A	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1033	1009T>C	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1053	1029C>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1131	1107G>A	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1188	1164C>T	S
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	859	776G>A	S
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1403	1320G>T	3
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1443	1360G>A	3
IGFBP4	M62403	146733	GEN-3CJ	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds	1446	1363G>A	3
IGFBP4	M62403	146733	GEN-	Human insulin-like growth	1485	1402A>T	3

			3CJ	factor binding protein 4 (IGFBP4) mRNA, complete cds			
M62782	M62782	146734	GEN-3CU	Homo sapiens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds	908	852C>T	3
M62982	M62982	152391	GEN-12	Lipoxygenases: 12-lipoxygenase (platelet)	1018	965G>A	S322N
M62982	M62982	152391	GEN-12	Lipoxygenases: 12-lipoxygenase (platelet)	1145	1092T>G	S
AKT1	M63167	164730	GEN-3D7	Human rac protein kinase alpha mRNA, complete cds	934	736T>G	S246A
AKT1	M63167	164730	GEN-3D7	Human rac protein kinase alpha mRNA, complete cds	1964	1766G>A	3
M63509	M63509	138380	GEN-9G	Glutathione S-transferase M2 (muscle)	644	628A>T	T210S
FGFR3	M64347	134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3108	3108C>A	3
FGFR3	M64347	134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3715	3715G>A	3
M68892	M68892	147559	GEN-15	Leukocyte integrin beta-7	1327	1176C>T	S
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	751	751A>C	3
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	835	835A>C	3
IGFBP6	M69054	146735	GEN-3J0	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	850	850G>A	3
M73554	M73554	168461	GEN-FY	Cyclin D1	864	723G>A	S
M73554	M73554	168461	GEN-FY	Cyclin D1	1094	953A>C	3
M73554	M73554	168461	GEN-FY	Cyclin D1	1094	953A>C	3
M73554	M73554	168461	GEN-FY	Cyclin D1	1367	1226T>G	3
M73554	M73554	168461	GEN-FY	Cyclin D1	3899	3758T>G	3
M73554	M73554	168461	GEN-FY	Cyclin D1	4013	3872A>G	3

SRD5A2	M74047	264600	GEN-CDC	Human steroid 5-alpha-reductase 2 (SRD5A2) mRNA, complete cds	2379	2352A>G	3
M74091	M74091	123838	GEN-FZ	G1/S-SPECIFIC CYCLIN C	41	42C>G	3
CCNE	M74093	123837	GEN-3MX	Human cyclin mRNA	1195	1196C>T	3
CCNE	M74093	123837	GEN-3MX	Human cyclin mRNA	1641	1642C>A	3
M74782	M74782	308385	GEN-64	Interleukin 3 receptor,alpha (low affininty)	1396	1250C>T	3
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	254	108C>T	S
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	350	204G>A	S
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	413	267G>A	S
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	416	270C>T	S
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	546	400C>G	P134A
MPG	M74905	156565	GEN-3NL	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds	743	597C>T	S
M80646	M80646	274180	GEN-40	Thromboxane synthase	756	585G>C	S
M80646	M80646	274180	GEN-40	Thromboxane synthase	1240	1069C>G	L357V
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	1834	1770G>C	S
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	3282	3218C>T	T1073M
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	4213	4149C>G	3
M84747	M84747	300007	GEN-45	Interleukin 9 receptor	1273	1094G>A	R365H
TGFBR2	M85079	190182	GEN-3ZS	Human TGF-beta type II receptor mRNA, complete cds	2045	1710A>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2159	2062G>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2186	2089-2094ATATTA	3

M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2186	>ATATTA 2089-2094delATATTA	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2230	2133A>G	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2339	2242T>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2409	2312G>A	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2726	2629C>T	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2983	2886C>T	3
M90814	M90814	123834	GEN-GK	Cyclin D3	1648	1548G>A	3
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	838	786T>C	S
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	1262	1210C>T	3
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	1494	1442A>G	3
BRAF	M95712	164757	GEN-4AD	Human B-raf mRNA, complete cds	284	223T>G	S75A
M96234	M96234	138333	GEN-9J	Glutathione S-transferase M4	797	534T>C	S
M96652	M96652	147851	GEN-65	Interleukin 5 receptor alpha	883	634T>G	S212A
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	802	732C>T	S
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1747	1677G>T	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA,	1912	1842G>A	3

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				complete cds			
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1995	1925C>G	3
M98539	M98539	176803	GEN-SW	prostaglandin D2 synthase gene	157	158C>A	3
S72487	S72487	131222	GEN-3LD	orf1 5 to PD-ECGF/TP...orf2 5 to PD-ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 nt]	183	19G>A	D7N
S72487	S72487	131222	GEN-3LD	orf1 5 to PD-ECGF/TP...orf2 5 to PD-ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 nt]	483	319C>T	3
S72487	S72487	131222	GEN-3LD	orf1 5 to PD-ECGF/TP...orf2 5 to PD-ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 nt]	601	437G>C	3
S72487	S72487	131222	GEN-3LD	orf1 5 to PD-ECGF/TP...orf2 5 to PD-ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 nt]	1299	1135G>A	3
PDCD2	S78085	600866	GEN-3QQ	PDCD2=programmed cell death-2/Rp8 homolog [human, fetal lung, mRNA, 1282 nt]	1180	1151G>A	3
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3377	3316A>C	3
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3524	3463A>G	3
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	683	600C>T	S
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	1016	933T>C	3

PI5	U04313	154790	GEN-14A	Human maspin mRNA, complete cds	2496	2421G>C	3
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	364	209G>A	S70N
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	728	573C>T	S
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	1613	1458C>T	S
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	1643	1488G>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	38	15C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	282	259A>T	S87C
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	350	327C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	365	342T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	464	441G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	474	451A>G	M151V
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	532	509A>G	H170R
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	538	515T>A	L172Q
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	689	666T>C	S

DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	806	783G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	872	849G>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	952	929T>G	I310S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1020	997G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1035	1012G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1112	1089C>T	3
U05875	U05875	147569	GEN-18J	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	2047	1399C>G	3
U05875	U05875	147569	GEN-18J	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	2087	1439T>C	3
XDH	U06117	278300	GEN-194	Human xanthine dehydrogenase (XDH) mRNA, complete cds	3951	3888C>G	S
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	166	85T>C	C29R
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	166	85T>C	C29R
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	577	496A>G	M166V
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	638	557A>G	Y186C
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	1708	1627A>G	I543V
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3432	3351T>C	3

U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3730	3649G>A	3
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3925	3844A>G	3
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3937	3856T>C	3
U09579	U09579	116899	GEN-1GZ	Human melanoma differentiation associated (mda-6) mRNA, complete cds	609	515C>T	3
U09579	U09579	116899	GEN-1GZ	Human melanoma differentiation associated (mda-6) mRNA, complete cds	1875	1781G>A	3
U09579	U09579	116899	GEN-1GZ	Human melanoma differentiation associated (mda-6) mRNA, complete cds	1877	1783C>G	3
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	303	152A>G	N51S
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1079	928A>G	I310V
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1280	1129C>T	P377S
U09759	U09759	602896	GEN-1HA	Human protein kinase (JNK2) mRNA, complete cds	1559	1408C>T	3
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	120	120T>C	S
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	473	473G>A	R158Q
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial	550	550C>T	F

U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	668	668C>T	A223V
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1059	1059T>C	S
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1289	1289C>A	E430A
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1308	1308T>C	3
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	1383	1346G>A	G449D
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	2443	2406C>T	3
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	2950	2913A>G	3
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	3001	2964G>A	3
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	3120	3083T>C	3
U09850	U09850	603433	GEN-1HD	Human zinc finger protein (ZNF143) mRNA, complete cds	3745	3708T>C	3
THPO	U11025	600044	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	76	41T>C	L14P
THPO	U11025	600044	GEN-1JW	Human megakaryocyte growth and development	172	137G>A	R46K

				factor (MGDF) mRNA, complete cds			
THPO	U11025	600044	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	382	347G>A	G116E
THPO	U11025	600044	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	674	639T>A	S
THPO	U11025	600044	GEN-1JW	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	1132	1097G>A	3
U11791	U11791	601953	GEN-HF	Cyclin H	823	763A>G	M255V
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	536	460G>A	A154T
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	795	719A>G	Y240C
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1085	1009T>C	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1336	1260C>T	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1373	1297G>A	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	2356	2132A>C	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	2535	2311C>T	3
BRCA1	U14680	113705	GEN-1S1	Human breast and ovarian cancer susceptibility (BRCA1) mRNA, complete cds	4427	4308T>C	S
U19251	U19251	600355	GEN-221	Homo sapiens neuronal	2223	1932T>G	F644L

				apoptosis inhibitory protein mRNA, complete cds			
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	3046	2755C>T	P919S
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5503	5212A>G	3
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5634	5343A>G	3
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5644	5353A>G	3
U19487	U19487	176804	GEN-4I	PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	231	75A>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	53	(-43)T>C	5
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	341	246C>G	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	791	696C>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	1067	972G>A	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2100	2005^2006insG	F
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2652	2557T>C	3

U19775	U19775	600289	GEN-22C	Human MAP kinase Mxi2 (MXI2) mRNA, complete cds	731	688G>A	D230N
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	982	904C>T	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1117	1039G>A	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1322	1244T>C	3
U20536	U20536	601532	GEN-23K	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	1363	1285T>C	3
U24231	U24231	None	GEN-289	Human Fas-associating death domain-containing protein mRNA, complete cds	1312	1183G>A	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	335	335C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	386	386T>C	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	1069	1069C>T	3
CDKN2A	U26727	600160	GEN-2BC	Human p16INK4/MTS1 mRNA, complete cds	311	284C>A	T95N
CDKN2A	U26727	600160	GEN-2BC	Human p16INK4/MTS1 mRNA, complete cds	570	543G>C	3
CDKN2A	U26727	600160	GEN-2BC	Human p16INK4/MTS1 mRNA, complete cds	643	616C>T	3
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	476	442T>C	F148L
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	481	447A>G	S
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	542	508C>G	L170V
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	578	544C>T	3
U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	614	580T>C	3

U27467	U27467	601056	GEN-2BX	Human Bcl-2 related (Bfl-1) mRNA, complete cds	616	582G>A	3
CSNK1D	U29171	600864	GEN-2E2	Human casein kinase I delta mRNA, complete cds	1612	1435C>A	3
U31628	U31628	601070	GEN-4J	Interleukin 15 receptor alpha chain	1250	1168G>T	3
U32324	U32324	600939	GEN-4K	interleukin 11 receptor alpha chain	1266	1205C>A	P402Q
U32324	U32324	600939	GEN-4K	Interleukin 11 receptor alpha chain	1513	1452C>T	3
U33286	U33286	601342	GEN-IM	Chromosome segregation gene homolog CAS	54	(-70)A>G	5
U33286	U33286	601342	GEN-IM	Chromosome segregation gene homolog CAS	821	698G>A	G233D
U33286	U33286	601342	GEN-IM	Chromosome segregation gene homolog CAS	3127	3004T>C	3
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	300	291T>C	S
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	645	636G>C	S
FGF8	U36223	600483	GEN-2MX	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	648	639A>G	S
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	736	693G>A	S
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1285	1242T>C	3
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1294	1251T>C	3
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1580	1537A>T	3
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1621	1578G>T	3
U37448	U37448	601761	GEN-	Human Mch3 isoform	1715	1672G>A	3

			2OC	alpha (Mch3) mRNA, complete cds			
U37448	U37448	601761	GEN-2OC	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	1764	1721G>A	3
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	912	825C>T	S
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1140	1053A>G	3
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1289	1202C>A	3
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1525	1438G>A	3
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1588	1501G>A	3
U37518	U37518	None	GEN-2OG	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	1595	1508C>T	3
U39656	U39656	601254	GEN-2Q8	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	431	91A>C	S
U39656	U39656	601254	GEN-2Q8	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	713	373G>A	V125M
U43030	U43030	600435	GEN-LFI	Human cardiotrophin-1 (CTF1) mRNA, complete cds	1404	1372C>T	3
U43142	U43142	601528	GEN-2UM	Human vascular endothelial growth factor related protein VRP	1499	1128C>T	S

				mRNA, complete cds			
U45878	U45878	601721	GEN-2WJ	Human inhibitor of apoptosis protein 1 mRNA, complete cds	2281	1833G>A	3
U45878	U45878	601721	GEN-2WJ	Human inhibitor of apoptosis protein 1 mRNA, complete cds	2820	2372C>G	3
U45879	U45879	601712	GEN-2WI	Human inhibitor of apoptosis protein 2 mRNA, complete cds	748	511T>G	S171A
U45879	U45879	601712	GEN-2WI	Human inhibitor of apoptosis protein 2 mRNA, complete cds	835	598T>G	S200A
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1005	1005C>T	S
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1035	1035C>T	S
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1431	1431T>C	3
U47634	U47634	None	GEN-2XR	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	1502	1502G>A	3
U54831	U54831	126431	GEN-8W	Topoisomerase II beta	127	127A>G	T43A
U54831	U54831	126431	GEN-8W	Topoisomerase II beta	1002	1002T>C	S
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	75	16T>C	C6R
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	150	91G>A	A31T
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	511	452C>T	T151I
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase	1161	1102A>G	3

				(hGH) mRNA, complete cds			
U56390	U56390	602234	GEN-36X	Human cysteine protease ICE-LAP6 mRNA, complete cds	411	408C>T	S
U60519	U60519	601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	304	157G>A	E53K
U60519	U60519	601762	GEN-3AZ	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	324	177A>G	S
U70136	U70136	600044	GEN-4R	Thrombopoietin	4138	4105G>T	A1369S
U70136	U70136	600044	GEN-4R	Thrombopoietin	4141	4108T>A	F1370I
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	343	50G>A	R17K
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1014	721G>A	V241I
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1218	925A>G	3
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1249	956C>T	3
U70321	U70321	None	GEN-3K9	Human herpesvirus entry mediator mRNA, complete cds	1453	1160G>A	3
U77088	U77088	188250	GEN-K4	Thymidine kinase 2	1480	1472T>C	3
U79269	U79269	123829	GEN-K7	Cyclin-Dependent Protein Kinase	1281	972A>T	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1989	1811G>A	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1996	1818C>T	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside	2045	1867T>C	3

				transporter 1 (hENT1) mRNA, complete cds			
IFNB1	V00546	147640	GEN-TV	Messenger RNA for human fibroblast interferon	474	410T>G	L137R
V00548	V00548	147562	GEN-P2	Human messenger RNA for leukocyte (alpha-2) interferon	119	119G>A	R40K
V00594	V00594	156360	GEN-P6	Human mRNA for metallothionein from cadmium-treated cells	320	263G>C	3
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	1136	1136G>A	R379K
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	1935	1935A>G	S
EGFR	X00663	131550	GEN-U4	Human mRNA fragment for epidermal growth factor (EGF) receptor	2283	2283C>T	S
X00734	X00734	None	GEN-MST	Human beta-tubulin gene (5-beta) with ten Alu family members	1059	1059G>T	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	59	(-51)T>G	5
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	169	60T>C	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	260	151A>G	S51G
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	280	171T>C	S
X00737	X00737	164050	GEN-P8	Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1)	1254	1145G>A	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	687	424A>G	S142G
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	2823	2560delT	F

X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	3766	3503T>G	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4122	3859A>C	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4147	3884G>A	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4247	3984T>C	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4309	4046T>A	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4381	4118A>G	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4547	4284G>A	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4619	4356T>G	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4726	4463A>T	3
X01060	X01060	190010	GEN-6C	Transferrin receptor (p90, CD71)	4766	4503C>T	3
X01394	X01394	191160	GEN-4Y	Tumor necrosis factor	125	(-28)C>T	5
X01586	X01586	147680	GEN-PC	Interleukin 2	332	225T>G	H75Q
X01586	X01586	147680	GEN-PC	Interleukin 2	563	456G>A	S
X02308	X02308	188350	GEN-KL	Thymidylate synthetase	1066	961T>C	3
X02308	X02308	188350	GEN-KL	Thymidylate synthetase	1066	961T>C	3
X02308	X02308	188350	GEN-KL	Thymidylate synthetase	1136	1031A>G	3
X02308	X02308	188350	GEN-KL	Thymidylate synthetase	1136	1031A>G	3
X02308	X02308	188350	GEN-KL	Thymidylate synthetase	1497	1392T>A	3
X02469	X02469	191170	GEN-PF	Human mRNA for p53 cellular tumor antigen	350	215C>G	P72R
X02469	X02469	191170	GEN-PF	Human mRNA for p53 cellular tumor antigen	953	818G>A	R273H
NRAS	X02751	164790	GEN-XG	Human N-ras mRNA and flanking regions	221	(-506)A>G	5
NRAS	X02751	164790	GEN-XG	Human N-ras mRNA and flanking regions	390	(-337)C>A	5
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	870	29C>T	P10L
X02812	X02812	190180	GEN-XR	Human mRNA for	979	138C>G	I46M

				transforming growth factor-beta (TGF-beta)			
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1632	791C>T	T264I
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1807	966C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1930	1089G>A	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1942	1101C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	2013	1172G>A	S391N
X03635	X03635	133430	GEN-50	estrogen receptors	390	30T>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	390	30T>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	424	64G>C	E22Q
X03635	X03635	133430	GEN-50	estrogen receptors	617	257C>T	A86V
X03635	X03635	133430	GEN-50	estrogen receptors	621	261G>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	829	469C>T	F
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1451	1091T>A	V364E
X03635	X03635	133430	GEN-50	estrogen receptors	1674	1314G>A	M438I
X03635	X03635	133430	GEN-50	estrogen receptors	2142	1782A>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	2354	1994A>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	2550	2190A>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	2733	2373C>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	3181	2821T>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	3338	2978C>T	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292-3294CCT>CCT	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292-3294delCCT	3
X03635	X03635	133430	GEN-50	estrogen receptors	3896	3536C>A	3

X03635	X03635	133430	GEN-50	estrogen receptors	4378	4018T>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	6287	5927T>C	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3732	3432T>C	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3951	3651C>A	3
X04571	X04571	131530	GEN-KY0	Human mRNA for kidney epidermal growth factor (EGF) precursor	4507	4071G>A	3
X04707	X04707	190160	GEN-CCA	Human c-erb-A mRNA for thyroid hormone receptor	1295	995T>C	I332T
ARAF1	X04790	311010	GEN-15C	Human mRNA for A-raf-1 oncogene	1659	1465C>T	F
KIT	X06182	164920	GEN-198	Human c-kit proto-oncogene mRNA	4656	4635G>T	3
ITGA5	X06256	135620	GEN-19B	Human mRNA for fibronectin receptor alpha subunit	2562	2539C>A	L847I
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	83	(-54)G>C	5
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	940	804G>A	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1327	1191T>C	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1906	1770C>T	S
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	486	487T>C	3
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	1947	1948C>T	3
RAF1	X06409	164760	GEN-19K	Human mRNA fragment for activated c-raf-1 (exons 8-17)	1992	1993C>A	3
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	319	313A>G	I105V
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	347	341C>T	A114V
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	561	555C>T	S

ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	1189	1086A>C	S
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	1279	1176A>C	S
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	2713	2610T>C	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	2878	2775T>A	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	3339	3236A>G	3
ITGB1	X07979	135630	GEN-4E5	Human mRNA for fibronectin receptor beta subunit	3531	3428G>A	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	128	(-1)C>T	5
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1413	1285T>G	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1431	1303C>T	3
ANX5	X12454	131230	GEN-1M2	Human mRNA for vascular anticoagulant	1518	1390G>A	3
X12556	X12556	311030	GEN-1M8	Human mRNA for dbl proto-oncogene	2670	2496T>G	F832L
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	364	240A>G	S
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589	107910	GEN-56	Cytochrome P450,	1655	1531C>T	3

				subfamily XIX (aromatization of androgens)			
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1796	1672G>T	3
LIF	X13967	159540	GEN-1PZ	Human mRNA for leukaemia inhibitory factor (LIF/HILDA)	3710	3666T>G	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	131	84C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	429	382G>T	V128F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	836	789C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1234	1187C>T	S396L
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1372	1325A>T	Y442F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1482	1435C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1548	1501C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	1645	1598A>T	3

				and beta-1 chain			
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosvitin/casein kinase II beta subunit	271	138T>C	S
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosvitin/casein kinase II beta subunit	812	679A>T	3
CSNK2B	X16312	115441	GEN-1XW	Human mRNA for phosvitin/casein kinase II beta subunit	885	752T>C	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4193	4145T>G	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4849	4801A>G	3
X17033	X17033	192974	GEN-LG	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	4897	4849A>G	3
FGFR1	X51803	136350	GEN-32G	Human mRNA for fibroblast growth factor (FGF) receptor	276	159T>G	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	4425	4299G>A	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	4437	4311G>C	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	4528	4402G>A	A1468T
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	4821	4695C>T	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	5157	5031C>T	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	5184	5058G>A	S
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	5252	5126C>T	P1709L
X51841	X51841	147557	GEN-21	Leukocyte integrin beta-4	5410	5284T>C	3
SPI1	X52056	165170	GEN-33A	Human mRNA for spi-1 proto-oncogene	1328	1117C>T	3
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3044	2869G>A	3
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3289	3114A>G	3
X52425	X52425	147781	GEN-59	Interleukin 4 receptor	3391	3216C>T	3
X52479	X52479	176960	GEN-LM	Protein kinase C, alpha	908	881A>C	D294A
FGFR2	X52832	176943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	338	159A>G	S

FGFR2	X52832	176943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	2903	2724A>T	3
X54199	X54199	138440	GEN-LS	Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	168	90G>A	S
X54315	X54315	114020	GEN-351	Human mRNA for N-cadherin	2549	2448T>C	S
X55005	X55005	190120	GEN-35S	Human c-erbA-1 mRNA for thyroid hormone receptor alpha	493	27A>G	S
X55005	X55005	190120	GEN-35S	Human c-erbA-1 mRNA for thyroid hormone receptor alpha	1523	1057G>A	V353I
X55740	X55740	129190	GEN-36H	Human placental cDNA coding for 5nucleotidase (EC 3.1.3.5)	3373	3324T>G	3
X57110	X57110	165360	GEN-MKX	Cas-Br-M (murine) ecotropic retroviral transforming sequence	2695	2547T>A	S
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	83	28G>A	V10I
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	217	162T>G	S
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	821	773C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	979	931G>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1187	1139T>G	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1354	1306C>T	3

GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1443	1395C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1516	1468C>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1581	1533C>T	3
X58377	X58377	147681	GEN-38V	Interleukin 11	807	744A>G	3
X58377	X58377	147681	GEN-38V	Interleukin 11	927	864T>G	3
X58377	X58377	147681	GEN-38V	Interleukin 11	1964	1901T>C	3
ITGA6	X59512	147556	GEN-39W	H.sapiens mRNA for integrin alpha6 subunit	186	186C>G	S
ITGA6	X59512	147556	GEN-39W	H.sapiens mRNA for integrin alpha6 subunit	188	188G>C	G63A
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	1037	850C>A	S
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2410	2223G>A	S
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2410	2223G>A	S
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2419	2232A>G	S
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2717	2530T>A	3
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2724	2537^2538ins T	F
X59543	X59543	180410	GEN-M2	Ribonucleoside diphosphate reductase	2882	2695A>C	3
X59618	X59618	180390	GEN-M3	Ribonucleotide reductase M2 polypeptide	189	(-6)T>G	5
X59618	X59618	180390	GEN-M3	Ribonucleotide reductase M2 polypeptide	524	330C>G	S
X59618	X59618	180390	GEN-M3	Ribonucleotide reductase M2 polypeptide	1636	1442C>T	3
X59618	X59618	180390	GEN-M3	Ribonucleotide reductase M2 polypeptide	2259	2065T>C	3

NFKB2	X61498	164012	GEN-3BW	H.sapiens mRNA for NF-kB subunit	2457	2294C>T	P765L
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2308	2308A>G	T770A
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2353	2353G>C	G785R
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2499	2499C>G	N833K
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	2537	2537A>T	E846V
KDR	X61656	191306	GEN-3BZ	H.sapiens mRNA for growth factor receptor tyrosine kinase	4123	4123G>C	3
DNMT	X63692	126375	GEN-3E4	H.sapiens mRNA for DNA (cytosin-5)-methyltransferase	4507	4270C>T	R1424C
DNMT	X63692	126375	GEN-3E4	H.sapiens mRNA for DNA (cytosin-5)-methyltransferase	4692	4455C>T	S
DNMT	X63692	126375	GEN-3E4	H.sapiens mRNA for DNA (cytosin-5)-methyltransferase	4922	4685C>A	T1562N
DNMT	X63692	126375	GEN-3E4	H.sapiens mRNA for DNA (cytosin-5)-methyltransferase	5235	4998C>T	3
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	63	40G>A	A14T
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	90	67A>G	K23E
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	125	102C>T	S
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	131	108T>C	S
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	168	145A>G	I49V
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	182	159G>A	S

X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	51	44G>A	R15H
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	116	109A>C	K37Q
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	261	254G>A	G85E
X66364	X66364	123831	GEN-3GM	H.sapiens mRNA PSSALRE for serine/threonine protein kinase	495	471T>G	C157W
NTRK1	X66397	191315	GEN-3GN	H.sapiens tpr mRNA	2632	2335G>A	V779I
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	112	21T>C	S
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	292	201C>T	S
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1436	1345T>C	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1579	1488T>C	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1621	1530C>T	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1719	1628A>C	3
X69141	X69141	184420	GEN-3J9	H.sapiens mRNA for squalene synthase	1904	1813G>C	3
GPX4	X71973	138322	GEN-3L1	H.saplens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	718	638T>C	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	837	757C>A	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	882	802A>C	3

X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	30	(-68)C>G	5
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2010	1913A>G	3
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2101	2004C>T	3
X75962	X75962	600315	GEN-MNA	H.sapiens mRNA for OX40 homologue	836	831C>T	S
X76061	X76061	180203	GEN-3OK	H.sapiens p130 mRNA for 130K protein	685	616G>A	V206M
X76061	X76061	180203	GEN-3OK	H.sapiens p130 mRNA for 130K protein	2659	2590T>C	S
X76061	X76061	180203	GEN-3OK	H.sapiens p130 mRNA for 130K protein	3585	3516G>C	3
X76104	X76104	600831	GEN-3OO	H.sapiens DAP-kinase mRNA	4376	4040A>G	N1347S
X76105	X76105	600954	GEN-3ON	H.sapiens DAP-1 mRNA	887	728C>T	3
X76105	X76105	600954	GEN-3ON	H.sapiens DAP-1 mRNA	1089	930A>G	3
X76105	X76105	600954	GEN-3ON	H.sapiens DAP-1 mRNA	1890	1731A>G	3
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	253	28G>T	V10F
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	1128	903A>G	S
X77794	X77794	601578	GEN-N8	Cyclin G1	1133	1013G>A	3
X79389	X79389	600436	GEN-3T7	H.sapiens GSTT1 mRNA	824	824T>C	3
X79483	X79483	602399	GEN-LPR	H.sapiens ERK6 mRNA for extracellular signal regulated kinase	1287	1254T>G	3
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-2k) mRNA for serine/threonine protein kinase	25	(-74)C>T	5
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-2k) mRNA for serine/threonine protein	77	(-22)C>T	5

				kinase			
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-2k) mRNA for serine/threonine protein kinase	1516	1418G>A	3
X80230	X80230	603251	GEN-3UM	H.sapiens mRNA (clone C-2k) mRNA for serine/threonine protein kinase	1574	1476A>G	3
X83544	X83544	602074	GEN-3Y6	H.sapiens DAP-3 mRNA	41	(-33)G>T	5
X83544	X83544	602074	GEN-3Y6	H.sapiens DAP-3 mRNA	285	212C>T	S71F
X83544	X83544	602074	GEN-3Y6	H.sapiens DAP-3 mRNA	294	221A>G	D74G
X83544	X83544	602074	GEN-3Y6	H.sapiens DAP-3 mRNA	877	804T>C	S
X83544	X83544	602074	GEN-3Y6	H.sapiens DAP-3 mRNA	1106	1033G>A	V345I
X83861	X83861	176806	GEN-5H	Prostaglandin E receptor 3 (subtype EP3) (alternative products)	387	180C>G	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	32	(-161)C>T	5
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	317	125G>A	R42H
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	435	243C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	616	424G>A	V142I
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	663	471C>T	S
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	900	708T>C	3
X84213	X84213	600516	GEN-3ZC	H.sapiens BAK mRNA for BCl-2 homologue	974	782C>T	3
X86681	X86681	602110	GEN-41E	H.sapiens mRNA for nucleolar protein, HNP36	1725	1340G>A	3
X90858	X90858	191730	GEN-NQ	Uridine phosphorylase	309	(-44)C>T	5
X90858	X90858	191730	GEN-NQ	Uridine phosphorylase	824	472G>A	A158T
X92106	X92106	602403	GEN-	H.sapiens mRNA for	1405	1327A>G	I443V

X96395	X96395	601107	47S GEN-4AM	bleomycin hydrolase H.sapiens mRNA for canalicular multidrug resistance protein	848	811G>T	A271S
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	4613	4466G>A	S1489N
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6371	6224C>T	T2075M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6813	6666C>T	S
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	7150	7003G>A	V2335M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	8685	8538C>A	3
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	504	186G>A	S
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	610	292C>G	R98G
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	911	593C>T	P198L
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1048	730A>C	3
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1110	792A>C	3
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	503	432C>A	S
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	505	434G>C	R145P
Y00486	Y00486	102600	GEN-MGW	Human APRT gene for adenine phosphoribosyltransferase	792	721A>G	3
PAI2	Y00630	173390	GEN-U6	Human mRNA for Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	430	358A>G	N120D
PAI2	Y00630	173390	GEN-U6	Human mRNA for Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	1251	1179T>G	S
PAI2	Y00630	173390	GEN-U6	Human mRNA for Arg-	1762	1690G>A	3

				Serpin (plasminogen activator-inhibitor 2, PAI-2)			
OAT	Y07511	258870	GEN-1E3	Human mRNA for kidney ornithine aminotransferase (EC 2.6.1.13)	1174	1134C>T	S
OAT	Y07511	258870	GEN-1E3	Human mRNA for kidney ornithine aminotransferase (EC 2.6.1.13)	1545	1505C>T	3
Y08200	Y08200	601905	GEN-1FT	Homo sapiens mRNA for rab geranylgeranyl transferase, alpha-subunit	1696	1422C>T	S
Y08201	Y08201	179080	GEN-9B	Geranylgeranyl transferase type II beta-subunit	54	51T>A	S
Y10659	Y10659	300119	GEN-1J6	H.sapiens IL-13Ra mRNA	1116	1073G>A	G358D
Z11695	Z11695	176948	GEN-1L1	H.sapiens 40 kDa protein kinase related to rat ERK2	1287	1153G>A	3
Z11696	Z11696	601795	GEN-1L0	H.sapiens 44kDa protein kinase related to rat ERK1	449	449T>G	I150S
Z14138	Z14138	603259	GEN-1QS	H.sapiens (Ewings sarcoma cell line) mRNA encoding open reading frame	394	234T>C	S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	246	240T>C	S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	1694	1688A>C	D563A
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2033	2027G>A	3
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2086	2080T>G	3
Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-associated protein	315	37G>A	E13K
Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-associated protein	333	55G>A	E19K
Z35491	Z35491	601497	GEN-2ME	H.sapiens mRNA for novel glucocorticoid receptor-associated protein	1297	1019A>C	3
CCNF	Z36714	600227	GEN-2NB	H.sapiens mRNA for cyclin F	4062	4019C>A	3

Z48810	Z48810	602664	GEN-2YJ	H.sapiens mRNA for TX protease precursor	1280	1239A>C	3

Table 13. Identified Variances In Genes for Pathways Identified in Neurological and Psychiatric Diseases

AB000263	AB000263	602784	GEN-16N	Human mRNA for prepro cortistatin like peptide, complete cds	215	210T>C	S
AB000634	AB000634	601646	GEN-169	Homo sapiens mRNA for protein phosphatase 2A delta (B) regulatory subunit, delta1 isoform, complete cds	1423	1409T>C	L470P
AB000634	AB000634	601646	GEN-169	Homo sapiens mRNA for protein phosphatase 2A delta (B) regulatory subunit, delta1 isoform, complete cds	2163	2149T>A	3
AB002341	AB002341	601581	GEN-1CR	Human mRNA for KIAA0343 gene, complete cds	2562	2148G>C	S
AB002559	AB002559	601717	GEN-1AA	Human mRNA for hunc18b2, complete cds	1467	1443T>C	S
AB002559	AB002559	601717	GEN-1AA	Human mRNA for hunc18b2, complete cds	1600	1576G>A	V526I
AB002559	AB002559	601717	GEN-1AA	Human mRNA for hunc18b2, complete cds	1669	1645G>A	A549T
AB005910	AB005910	602758	GEN-VC	Homo sapiens mRNA for phosphatidylinositol 4-	891	822C>T	S

				kinase, complete cds			
AB01071 0	AB01071 0	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1071	1010T>A	3
AB01071 0	AB01071 0	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1073	1012T>C	3
AB01071 0	AB01071 0	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1073	1012T>C	3
AB01071 0	AB01071 0	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	1801	1740A>G	3
AB01071 0	AB01071 0	602601	GEN-1SQ	Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds	2199	2138G>A	3
AB01388 9	AB01388 9	603208	GEN-CBP	Inward rectifier potassium channel Kir 1.4	1469	1218A>G	3
AB01531 8	AB01531 8	None	GEN-L2T	Homo sapiens mRNA for gamma2-adaptin, complete cds	377	332A>G	D111G
AB01531 8	AB01531 8	None	GEN-L2T	Homo sapiens mRNA for gamma2-adaptin, complete cds	534	489G>A	S
AB01531 8	AB01531 8	None	GEN-L2T	Homo sapiens mRNA for gamma2-adaptin, complete cds	2444	2399C>A	3
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	365	365C>T	P122L
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	381	381G>A	S
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	624	624A>G	S
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	641	641C>T	P214L
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	1161	1161T>C	3

				CHANNEL, 4; P2RX4			
AF004562	AF004562	602926	GEN-UK	Homo sapiens hUNC18a alternatively-spliced mRNA, complete cds	1830	1710A>T	S
AF004562	AF004562	602926	GEN-UK	Homo sapiens hUNC18a alternatively-spliced mRNA, complete cds	3322	3202T>C	3
AF004562	AF004562	602926	GEN-UK	Homo sapiens hUNC18a alternatively-spliced mRNA, complete cds	3673	3553C>G	3
AF006823	AF006823	603220	GEN-WS	Homo sapiens TWIK-related acid-sensitive K+ channel (TASK) mRNA, complete cds	1160	1035G>A	S
AF007548	AF007548	None	GEN-12G	Homo sapiens golgi SNARE (GS27) mRNA, complete cds	200	200G>A	R67K
AF010126	AF010126	602998	GEN-1SR	Homo sapiens breast cancer-specific protein 1 (BCSG1) mRNA, complete cds	206	195C>G	S
AF010126	AF010126	602998	GEN-1SR	Homo sapiens breast cancer-specific protein 1 (BCSG1) mRNA, complete cds	340	329A>T	E110V
AF010126	AF010126	602998	GEN-1SR	Homo sapiens breast cancer-specific protein 1 (BCSG1) mRNA, complete cds	518	507C>T	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1023	987T>C	S
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1025	989T>C	F330S
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1090	1054G>C	E352Q
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1321	1285G>A	3

AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1424	1388C>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1512	1476G>A	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1743	1707A>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1858	1822A>G	3
AF016903	AF016903	None	GEN-1M7	Homo sapiens agrin precursor mRNA, partial cds	516	516C>G	S
AF016903	AF016903	None	GEN-1M7	Homo sapiens agrin precursor mRNA, partial cds	518	518G>C	R173P
AF016903	AF016903	None	GEN-1M7	Homo sapiens agrin precursor mRNA, partial cds	3501	3501C>T	S
AF016903	AF016903	None	GEN-1M7	Homo sapiens agrin precursor mRNA, partial cds	6422	6422A>G	3
AF016903	AF016903	None	GEN-1M7	Homo sapiens agrin precursor mRNA, partial cds	6704	6704A>G	3
HRH1	AF026261	600167	GEN-26W	Histamine receptor H1	1068	1068A>G	S
AVPR1B	AF030512	600264	GEN-4FF	Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete cds	273	150G>A	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	314	291C>T	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	431	408T>C	S
AF030625	AF030625	600821	GEN-2	Vasopressin V1A receptor	506	483A>G	S
AF033382	AF033382	603787	GEN-2OT	potassium channel	476	476G>T	G159V
AF033382	AF033382	603787	GEN-2OT	potassium channel	1083	1083C>T	S
AF034795	AF034795	116935	GEN-	Homo sapiens cell matrix	1404	853G>A	3

			2GB	adhesion regulator variant (CMAR) mRNA, complete cds			
AF034795	AF034795	116935	GEN-2GB	Homo sapiens cell matrix adhesion regulator variant (CMAR) mRNA, complete cds	1411	860C>T	3
AF034795	AF034795	116935	GEN-2GB	Homo sapiens cell matrix adhesion regulator variant (CMAR) mRNA, complete cds	1811	1260G>A	3
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	273	273G>A	F
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	295	295G>C	A99P
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	302	302C>T	T101I
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	1059	1059G>A	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	842	659G>T	R220I
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	1971	1788G>C	Q596H
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	3048	2865A>G	S
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	3909	3726A>G	S
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	4483	4300T>C	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	5644	5461A>G	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	5675	5492T>A	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	6051	5868T>G	3
AF036892	AF036892	601937	GEN-7W	Nuclear receptor coactivator (ACTR)	6664	6481G>A	3
AF038173	AF038173	601255	GEN-2QH	Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV) mRNA, partial cds	1368	1368T>C	3

AF038173	AF038173	601255	GEN-2QH	Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV) mRNA, partial cds	1387	1387A>G	3
AF038173	AF038173	601255	GEN-2QH	Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV) mRNA, partial cds	1501	1501G>C	3
AF039400	AF039400	603906	GEN-MQY	Homo sapiens calcium-dependent chloride channel-1 (hCLCA1) mRNA, complete cds	2787	2436T>C	S
AF043472	AF043472	603888	GEN-2XX	Homo sapiens Shab-related delayed-rectifier K+ channel alpha subunit (KCNS3) mRNA, complete cds	1840	1709T>G	3
AF043473	AF043473	602905	GEN-2XW	POTASSIUM CHANNEL PROTEIN KV2.1	1308	1308G>T	S
AF046873	AF046873	602705	GEN-LFF	Homo sapiens synapsin IIIa mRNA, complete cds	1364	1328G>A	R443H
AF047442	AF047442	None	GEN-LFO	Homo sapiens vesicle trafficking protein sec22b mRNA, complete cds	160	96G>A	S
AF048837	AF048837	602973	GEN-LGG	Homo sapiens cGMP-specific phosphodiesterase (PDE9A2) mRNA, complete cds	1551	1491T>C	S
AF052224	AF052224	None	GEN-MR1	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete cds	15480	15365T>G	3
AF052224	AF052224	None	GEN-MR1	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete cds	15560	15445C>T	3
AF052224	AF052224	None	GEN-MR1	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete cds	15745	15630C>T	3
AF053233	AF053233	None	GEN-	Homo sapiens endobrevin	225	201A>G	S

			38F	mRNA, complete cds			
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1972	1663G>A	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1989	1680A>T	3
AF060538	AF060538	185880	GEN-LL4	Homo sapiens vesicle associated membrane protein-1B mRNA, alternatively spliced, complete cds	780	650C>T	3
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	1695	1647C>T	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4037	3989C>T	A1330V
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4683	4635C>A	S
AF064548	AF064548	603506	GEN-KV4	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	4802	4754C>T	S1585L
AF077671	AF077671	600755	GEN-LMT	Homo sapiens synapsin IIa (SYN2) mRNA, complete cds	1246	1225T>C	S
AJ130763	AJ130763	254780	GEN-LDP	Homo sapiens mRNA for LAFPTPase, isoform 1, partial	161	159G>A	S
AJ130763	AJ130763	254780	GEN-LDP	Homo sapiens mRNA for LAFPTPase, isoform 1, partial	287	285T>A	S
D12614	D12614	153440	GEN-QD	Human mRNA for lymphotoxin (TNF-beta), complete cds	319	179C>A	T60N
D13388	D13388	602837	GEN-A7	DNAJ PROTEIN	207	90C>T	S

				HOMOLOG 2			
CYP11B2	D13752	124080	GEN-CCD	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	1600	1593G>A	3
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	277	148G>T	V50L
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1073	944G>A	R315K
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1083	954G>A	S
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1773	1644C>T	3
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	2037	1908C>T	3
D16469	D16469	300197	GEN-1Y2	Human mRNA for ORF, Xq terminal portion	2294	941A>G	3
D16469	D16469	300197	GEN-1Y2	Human mRNA for ORF, Xq terminal portion	2460	1107A>G	3
D16469	D16469	300197	GEN-1Y2	Human mRNA for ORF, Xq terminal portion	2660	1307C>A	3
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1035	599T>G	I200S
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1475	1039C>T	R347C
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1475	1039C>T	R347C
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	2048	1612C>T	3
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	726	635G>A	R212H
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1047	956C>G	S319W
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1075	984A>C	S
D28538	D28538	604102	GEN-2DC	Metabotropic glutamate receptor type 5	531	381A>G	S
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	25	(-47)G>A	5
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	1332	1261A>G	I421V
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide	1855	1784G>C	3

				transformylase			
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	203	204C>G	3
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	231	232C>A	3
D38145	D38145	601699	GEN-4E3	Human mRNA for prostacyclin synthase, complete cds	1646	1619T>C	3
D45887	D45887	114182	GEN-BA	Calmodulin 1 (phosphorylase kinase, delta)	34	(-35)G>T	5
D49394	D49394	182139	GEN-5	Serotonin 5-HT receptors 5-HT3	1914	1695C>G	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3378	3276G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3755	3653G>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	3949	3847G>C	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4368	4266T>A	3
D50678	D50678	602600	GEN-30Y	Human mRNA for apolipoprotein E receptor 2, complete cds	4455	4353G>A	3
D87673	D87673	602438	GEN-444	Human mRNA for heat shock transcription factor 4, complete cds	274	270C>T	S
D87673	D87673	602438	GEN-444	Human mRNA for heat shock transcription factor 4, complete cds	1463	1459G>C	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds	2299	2096G>A	3
D87845	D87845	602344	GEN-	Human mRNA for platelet-	2332	2129A>G	3

			44C	activating factor acetylhydrolase 2, complete cds			
D89052	D89052	603717	GEN-45C	Human mRNA for proton-ATPase-like protein, complete cds	56	(-27)G>T	5
D89052	D89052	603717	GEN-45C	Human mRNA for proton-ATPase-like protein, complete cds	719	637G>A	3
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	434	(-1284)A>T	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	889	(-829)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	1156	(-562)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2644	927T>C	S
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2920	1203A>G	3
LRP1	D90070	107770	GEN-466	Human ATL-derived PMA-responsive (APR) peptide mRNA	686	513T>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2228	1748G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2376	1896G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2840	2360G>C	3
EDNRA	D90348	131243	GEN-	Endothelin Receptor Type	2935	2455G>A	3

EDNRA	D90348	131243	4DX GEN-4DX A	Endothelin Receptor Type A	3294	2814A>G	3
J00123	J00123	131330	GEN-MK4	Human enkephalin gene	81	81C>T	S
FGA	J00127	134820	GEN-T3	Human fibrinogen alpha-chain mRNA, complete cds	560	530T>A	I177N
FGA	J00127	134820	GEN-T3	Human fibrinogen alpha-chain mRNA, complete cds	1138	1108G>T	A370S
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	543	543C>T	S
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	1101	1101C>T	S
J00129	J00129	134830	GEN-T4	Human fibrinogen beta-chain mRNA, partial cds	1409	1409G>A	R470K
J00137	J00137	306900	GEN-OX	COAGULATION FACTOR IX	581	580A>G	T194A
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	829	787C>T	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	676	615T>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	683	622T>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	701	640C>G	3
J02611	J02611	107740	GEN-6O	Human apolipoprotein D mRNA, complete cds	745	684A>G	3
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	106	71A>T	D24V
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	971	936T>C	S
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	1229	1194G>A	S
J03143	J03143	107470	GEN-ZK	Human interferon-gamma	1098	1050T>G	S

				receptor mRNA, complete cds			
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	932	380G>A	R127H
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1063	511G>A	A171T
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1190	638C>G	3
J03242	J03242	147470	GEN-PJ	Insulin-like growth factor 2	1201	649C>T	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	172	57C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	559	444C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1704	1589C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1833	1718C>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1959	1844A>C	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3301	3186C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3991	3876A>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
CHGA	J03483	118910	GEN-11E	Human chromogranin A mRNA, complete cds	583	501T>G	N167K
CHGA	J03483	118910	GEN-11E	Human chromogranin A mRNA, complete cds	1405	1323A>G	S
CHGA	J03483	118910	GEN-11E	Human chromogranin A mRNA, complete cds	1543	1461C>T	3

J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	1569	1493A>C	N498T
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	1624	1548T>A	3
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	1813	1737A>G	3
J03490	J03490	246900	GEN-C5	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	2096	2020T>C	3
J03778	J03778	157140	GEN-C7	MICROTUBULE-ASSOCIATED PROTEIN TAU	391	354G>A	S
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1202	1164C>T	S
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1237	1199T>G	I400S
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1372	1334C>G	P445R
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1379	1341C>T	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	454	401G>A	R134K

J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	969	916C>G	Q306E
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	1614	1561T>C	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2011	1958G>A	R653Q
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2335	2282C>T	T761M
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	791	688C>T	3
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	881	778T>C	3
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	1927	1824T>C	3
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	803	781G>T	A261S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1042	1020C>T	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513-1515CCT>CCT	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1535	1513-1515delCCT	[P505V;506-505del]
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	1797	1775A>G	D592G
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2215	2193G>A	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2350	2328A>G	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	2505	2483T>C	M828T
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S
J04144	J04144	106180	GEN-2L	Angiotensin-converting enzyme (ACE)	3409	3387T>C	S
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3 end	2314	2314C>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3 end	2316	2316G>T	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3 end	2332	2332G>T	3

J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3 end	2541	2541G>A	3
J05158	J05158	603104	GEN-173	Human carboxypeptidase N mRNA, 3 end	2651	2651C>T	3
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	240	240A>G	S
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	327	327C>T	S
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	554	554T>C	V185A
J05200	J05200	180901	GEN-17B	Human ryanodine receptor mRNA, complete cds	14981	14876G>T	G4959V
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	173	156A>G	S
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	913	896C>G	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	950	933G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1448	1431G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	121	61G>A	E21K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	151	91G>A	E31K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	197	137T>C	L46P
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	204	144delG	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles)	238	178A>G	T60A

K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	365	305C>G	P102R
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	409	349G>A	A117T
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	448	388T>C	C130R
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	494	434G>A	G145D
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	515	455G>A	R152Q
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	520	460C>A	R154S
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	538	478C>T	R160C
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	547	487C>T	R163C
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	548	488G>A	R163H
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	550	490A>G	K164E
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	743	683G>A	F
K00396	K00396	107741	GEN-P0	mRNA Human apolipoprotein E	785	725G>A	R242Q

				(epsilon 2 and 3 alleles) mRNA			
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	796	736C>T	R246C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	821	761T>A	V254E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	865	805C>G	R269G
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	935	875G>A	R292H
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	1000	940A>C	S314R
K00557	K00557	602529	GEN-TY	human alpha-tubulin mRNA, 3 end	126	126G>C	S
K01911	K01911	162640	GEN-2O	Neuropeptide Y	236	150G>A	S
K01911	K01911	162640	GEN-2O	Neuropeptide Y	290	204C>T	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	659	620C>T	T207M
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	842	803T>C	M268T
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1155	1116G>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1476	1437C>A	S
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	1821	1782G>A	3
AGT	K02215	106150	GEN-WK	Human angiotensinogen mRNA, complete CDS	2053	2014A>C	3
KNG	K02566	228960	GEN-X2	Human alpha-2-thiol proteinase inhibitor mRNA, complete coding sequence	1248	1199C>A	T400K
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	19	(-68)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	26	(-61)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	48	(-39)C>T	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	114	28G>A	E10K

K02770	K02770	147720	GEN-5M	Interleukin 1, beta	119	33G>A	M11I
L03558	L03558	601145	GEN-11O	Homo saplens cystatin B mRNA, complete cds	485	390A>G	3
L05597	L05597	None	GEN-4EV	Serotonin 5-HT receptors 5-HT1F	824	600T>C	S
L05597	L05597	None	GEN-4EV	Serotonin 5-HT receptors 5-HT1F	1010	786^787insA ATAAAATTC AT	[H262Q;262^263InsI KFI]
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	88	(-146)A>G	5
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	332	99C>T	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
TGFBR3	L07594	600742	GEN-1EA	Human transforming growth factor-beta type III receptor (TGF-beta) mRNA, complete cds	3966	3618G>C	3
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	445	387G>A	S
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	1835	1777G>A	V593M
GNRHR	L07949	138850	GEN-1F1	Gonadotropin releasing hormone agonist	1371	1347C>A	3
CCKBR	L08112	118445	GEN-1FL	Cholecystokinin (CCKb)	456	456G>A	S
L08485	L08485	137142	GEN-G	Gamma-aminobutyric acid (GABA) A receptor, alpha 5	1646	1341G>T	S
L08485	L08485	137142	GEN-G	Gamma-aminobutyric acid (GABA) A receptor, alpha 5	2113	1808C>T	3
INPP1	L08488	147263	GEN-1FY	Human inositol polyphosphate 1-phosphatase mRNA, complete cds	185	(-142)T>G	5
INPP1	L08488	147263	GEN-1FY	Human inositol polyphosphate 1-phosphatase mRNA, complete cds	479	153T>G	S
INPP1	L08488	147263	GEN-	Human inositol	674	348A>G	S

			1FY	polyphosphate 1-phosphatase mRNA, complete cds			
INPP1	L08488	147263	GEN-1FY	Human inositol polyphosphate 1-phosphatase mRNA, complete cds	806	480G>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	170	96C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	221	147C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	227	153C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	239	165G>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	329	255C>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	445	371C>T	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	191	153C>T	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	200	162G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	230	192T>C	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	242	204G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	295	257C>T	A86V
L10819	L10819	171150	GEN-	Homo sapiens aryl	330	292G>A	D98N

			LVD	sulfotransferase mRNA, complete cds			
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	338	300G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	638	600C>G	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	676	638A>G	H213R
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	940	902G>A	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	1011	973T>C	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4284	4154C>A	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4447	4317G>C	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4525	4395T>G	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4675	4545G>A	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1003	904C>A	L302I
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1283	1184A>G	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1479	1380T>A	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1519	1420T>C	3
L11931	L11931	182144	GEN-4DT	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds	1444	1420C>T	L474F
L11931	L11931	182144	GEN-4DT	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds	1541	1517C>T	3

L12052	L12052	171885	GEN-1LK	Human cAMP phosphodiesterase mRNA, 3 end	1707	1707G>A	3
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	1618	525G>C	S
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	1792	699C>A	S
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	1948	855G>A	S
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	2713	1620T>G	I540M
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	3137	2044G>T	A682S
L13266	L13266	138249	GEN-J	Glutamate Aspartate receptor NMDA 1	3241	2148G>A	S
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1467	1250C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1868	1651C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1917	1700C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	2962	2745G>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	4589	4372G>A	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	2222	2223C>T	3
L13436	L13436	108961	GEN-2Q	guanylate cyclase	2444	2445C>T	3
L13977	L13977	176785	GEN-1PX	Human prolylcarboxypeptidase mRNA, complete cds	2009	1980T>C	3
CAMK4	L17000	114080	GEN-	Homo sapiens	1381	1340C>T	A447V

			1ZR	calcium/calmodulin-dependent protein kinase mRNA, complete cds			
L17075	L17075	601284	GEN-1ZQ	Human TGF-b superfamily receptor type I mRNA, complete cds	838	747G>A	S
PRKCI	L18964	300094	GEN-21N	Human protein kinase C iota isoform (PRKCI) mRNA, complete cds	573	309T>G	S
L19760	L19760	600322	GEN-22D	Human nerve-terminal protein (isoform SNAP25A) mRNA, complete cds	259	171C>G	S
L19760	L19760	600322	GEN-22D	Human nerve-terminal protein (isoform SNAP25A) mRNA, complete cds	418	330T>C	S
L19760	L19760	600322	GEN-22D	Human nerve-terminal protein (isoform SNAP25A) mRNA, complete cds	629	541A>T	I181F
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	243	105A>G	S
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	284	146C>T	S49F
HD	L20431	143100	GEN-23G	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	1536	1535T>G	I512S
HD	L20431	143100	GEN-23G	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	2112	2111C>G	3
HD	L20431	143100	GEN-23G	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	3788	3787G>A	3
HD	L20431	143100	GEN-23G	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	4912	4911G>A	3
HD	L20431	143100	GEN-23G	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	5454	5453C>T	3
L20463	L20463	600445	GEN-M	G-protein coupled adenosine A3 receptor	1671	1380A>G	3

VLDLR	L20470	192977	GEN-23D	Human very low density lipoprotein receptor mRNA, complete cds	336	(-56)C>T	5
VLDLR	L20470	192977	GEN-23D	Human very low density lipoprotein receptor mRNA, complete cds	3566	3175T>C	3
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	676	(-721)T>G	5
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	814	(-583)C>T	5
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	1993	597C>T	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	2365	969C>T	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	2821	1425G>C	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	3537	2141T>C	3
L22214	L22214	102775	GEN-2S	Adenosine A1 receptor (ADORA1)	557	147G>C	S
L22214	L22214	102775	GEN-2S	Adenosine A1 receptor (ADORA1)	2622	2212G>A	3
SLC6A3	L24178	126455	GEN-283	Homo sapiens dopamine transporter mRNA, complete cds	1917	1898C>T	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1422	1185T>C	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1490	1253C>T	3

L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1517	1280A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2244	2007A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2299	2062A>G	3
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	41	(-172)G>T	5
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	102	(-111)C>T	5
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	229	17C>T	A6V
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	229	17C>T	A6V
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	236	24G>A	S
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	330	118A>G	N40D
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	330	118A>G	N40D
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	991	779G>A	R260H
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1005	793C>T	R265C
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1154	942G>A	S
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1154	942G>A	S
L26232	L26232	172425	GEN-2AK	Human phospholipid transfer protein mRNA,	906	819C>T	S

				complete cds			
L26232	L26232	172425	GEN-2AK	Human phospholipid transfer protein mRNA, complete cds	1547	1460C>A	T487K
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	547	159C>T	S
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	611	223G>A	V75M
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	1725	1337A>G	Q446R
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	171	171C>T	S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	534	534C>T	S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	549	549G>A	S
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5667	5442C>G	S
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5669	5444G>C	G1815A
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5745	5520C>G	D1840E
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5941	5716C>A	3
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5971	5746C>A	3
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5985	5760G>A	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	1857	1740C>T	S
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	2052	1935C>T	S
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	2160	2043T>C	S
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	2280	2163T>C	S
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	2644	2527G>A	D843N
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITOL 4-KINASE ALPHA	2749	2632C>A	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO	2799	2682A>G	3

				L 4-KINASE ALPHA			
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2804	2687A>G	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2844	2727C>G	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2848	2731G>A	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2857	2740A>G	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2877	2760A>G	3
L36151	L36151	600286	GEN-DT	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	2942	2825C>T	3
L36566	L36566	601970	GEN-2N5	Human helodermin-preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds	1397	1235A>G	H412R
L36566	L36566	601970	GEN-2N5	Human helodermin-preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds	1440	1278A>C	S
L37792	L37792	186590	GEN-DX	syntaxin 1A	1337	1336A>G	3
L41147	L41147	601109	GEN-2T	Serotonin 5-HT receptors 5-HT6	287	(-181)C>T	5
L42373	L42373	601643	GEN-2U7	Homo sapiens phosphatase 2A B56-alpha (PP2A) mRNA, complete cds	1135	564C>T	S
L42373	L42373	601643	GEN-2U7	Homo sapiens phosphatase 2A B56-alpha (PP2A) mRNA, complete cds	2297	1726T>A	3
L42373	L42373	601643	GEN-2U7	Homo sapiens phosphatase 2A B56-alpha (PP2A) mRNA, complete cds	2368	1797T>C	3
L42373	L42373	601643	GEN-2U7	Homo sapiens phosphatase 2A B56-alpha (PP2A) mRNA, complete cds	2782	2211G>A	3
L42373	L42373	601643	GEN-	Homo sapiens	2952	2381T>G	3

			2U7	phosphatase 2A B56-alpha (PP2A) mRNA, complete cds			
L76224	L76224	138254	GEN-3OS	Glutamate Aspartate receptor NMDA 2C	2526	2526G>A	S
L77864	L77864	602709	GEN-3QI	Homo sapiens stat-like protein (Fe65) mRNA, complete cds	406	306G>A	S
L77864	L77864	602709	GEN-3QI	Homo sapiens stat-like protein (Fe65) mRNA, complete cds	1911	1811G>A	C604Y
L77864	L77864	602709	GEN-3QI	Homo sapiens stat-like protein (Fe65) mRNA, complete cds	2639	2539A>C	3
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	1220	1088A>G	N363S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893AG>AG	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893delAG	F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2054	1922A>T	D641V
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2372	2240T>G	I747S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>C	L753F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>T	L753F
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	2166	2034C>T	S
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	3
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	3
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	1573	1530T>A	S
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	1799	1756C>T	F
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	3041	2998G>A	V1000I
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	4474	4431A>C	3
M12578	M12578	152760	GEN-2Y	Gonadotropin-releasing hormone (leutinizing-releasing hormone)	79	47G>C	W16S
M12674	M12674	133430	GEN-7Z	Estrogen receptor	1267	975C>G	S
HEXB	M13519	268800	GEN-1OI	Human N-acetyl-beta-	63	63G>C	S

				glucosaminidase (HEXB) mRNA, 3 end			
HEXB	M13519	268800	GEN-1OI	Human N-acetyl-beta-glucosaminidase (HEXB) mRNA, 3 end	490	490T>G	S164A
HEXB	M13519	268800	GEN-1OI	Human N-acetyl-beta-glucosaminidase (HEXB) mRNA, 3 end	1741	1741A>C	3
HEXB	M13519	268800	GEN-1OI	Human N-acetyl-beta-glucosaminidase (HEXB) mRNA, 3 end	1798	1798A>G	3
M14113	M14113	306700	GEN-5T	Factor VIII	8899	8728G>A	3
DBI	M14200	125950	GEN-1QW	Human diazepam binding inhibitor (DBI) mRNA, complete cds	291	272A>T	Y91F
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	184	(-11)T>C	5
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	270	76G>C	V26L
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	446	252C>T	S
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1254	1060C>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1306	1112G>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1336	1142T>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1338	1144C>T	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1451	1257G>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA,	1462	1268C>T	3

				complete cds			
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1522	1328G>C	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1557	1363G>C	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1585	1391C>A	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1630	1436T>C	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1668	1474T>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1712	1518C>G	3
M14221	M14221	161565	GEN-QM	Human cathepsin B proteinase mRNA, complete cds	1898	1704A>G	3
M14333	M14333	137025	GEN-QO	Homo sapiens c-syn protooncogene mRNA, complete cds	562	(-18)A>C	5
M14333	M14333	137025	GEN-QO	Homo sapiens c-syn protooncogene mRNA, complete cds	1647	1068T>C	S
M14333	M14333	137025	GEN-QO	Homo sapiens c-syn protooncogene mRNA, complete cds	2152	1573A>T	T525S
ARG1	M14502	207800	GEN-1RE	Human liver arginase mRNA, complete cds	800	744C>T	S
M14539	M14539	134570	GEN-QP	Human factor XIII subunit a mRNA, 3 end	1781	1781C>T	P594L
M14539	M14539	134570	GEN-QP	Human factor XIII subunit a mRNA, 3 end	2041	2041C>G	Q681E
M14539	M14539	134570	GEN-QP	Human factor XIII subunit a mRNA, 3 end	2412	2412C>T	3
M14539	M14539	134570	GEN-QP	Human factor XIII subunit a mRNA, 3 end	2446	2446G>A	3

M14539	M14539	134570	GEN-QP	Human factor XIII subunit a mRNA, 3 end	3282	3282G>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2716	2603C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2729	2616C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2912	2799G>A	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	3252	3139C>G	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	466	(-1122)C>G	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	565	(-1023)G>A	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1541	(-47)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1687	100G>A	V34M
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1839	252G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2110	523C>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2640	1053G>C	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2826	1239G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2862	1275C>G	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2864	1277C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2865	1278C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	3371	1784A>T	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	422	293A>G	D98G
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	557	428G>A	G143D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	564	435-436TT>AG>AG	F146V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	568	439C>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	596	467A>G	Y156C

M16541	M16541	177400	GEN-35	Butyrylcholinesterase	941	812C>T	T271M
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	961	832A>C	T278P
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	978	849G>C	E283D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1201	1072T>A	L358I
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1306	1177G>A	G393R
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1382	1253G>T	G418V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1549	1420T>G	F474V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1564	1435G>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1703	1574A>T	E525V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1756	1627C>T	R543C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16765	M16765	104760	GEN-1YM	Human cerebrovascular and neuritic plaque amyloid beta-protein mRNA, 3 end	1283	1274A>C	3
F5	M16967	227400	GEN-1Z8	Human coagulation factor V mRNA, complete cds	2391	2301G>A	S
F5	M16967	227400	GEN-1Z8	Human coagulation factor V mRNA, complete cds	2663	2573G>A	R858K
F5	M16967	227400	GEN-1Z8	Human coagulation factor V mRNA, complete cds	2684	2594G>A	R865H
F5	M16967	227400	GEN-1Z8	Human coagulation factor V mRNA, complete cds	5380	5290G>A	V1764M
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	224	224G>A	R75H
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	330	330C>T	S
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	745	745T>C	3
M17262	M17262	176930	GEN-SM	Human prothrombin (F2) gene, complete cds, and Alu and KpnI repeats	511	480C>T	S
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	995	633G>A	S
M20132	M20132	313700	GEN-38	Androgen receptor	1385	1023T>C	S

				(dihydrotestosterone receptor)			
M20132	M20132	313700	GEN-38	Androgen receptor (dihydrotestosterone receptor)	1786	1424G>A	G475E
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	331	294G>A	S
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	400	363C>A	D121E
M21551	M21551	162340	GEN-24P	Human neuromedin B mRNA, complete cds	252	216C>A	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	116	(-20)G>T	5
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	231	96G>C	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144GT>GT	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144delGT	F
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	643	508C>T	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	700	565G>C	3
M22538	M22538	600532	GEN-EO	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD)	219	201A>T	S
M22538	M22538	600532	GEN-EO	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD)	469	451G>A	A151T
M22613	M22613	227600	GEN-3C	COAGULATION FACTOR X PRECURSOR	738	738C>T	S
M22632	M22632	138150	GEN-EP	Glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	221	213T>C	S
M22632	M22632	138150	GEN-EP	Glutamic-oxaloacetic transaminase 2,	236	228T>G	S

				mitochondrial (aspartate aminotransferase 2)			
M22632	M22632	138150	GEN-EP	Glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	2009	2001C>T	3
M24194	M24194	None	GEN-286	Human MHC protein homologous to chicken B complex protein mRNA, complete cds	79	(-17)C>A	5
M24194	M24194	None	GEN-286	Human MHC protein homologous to chicken B complex protein mRNA, complete cds	102	7G>T	F
M24194	M24194	None	GEN-286	Human MHC protein homologous to chicken B complex protein mRNA, complete cds	464	369A>T	S
M24194	M24194	None	GEN-286	Human MHC protein homologous to chicken B complex protein mRNA, complete cds	846	751G>T	A251S
M24194	M24194	None	GEN-286	Human MHC protein homologous to chicken B complex protein mRNA, complete cds	848	753C>T	S
M24857	M24857	180190	GEN-80	Retinoic acid receptor, gamma 1	1694	1280C>T	S427L
CRYAB	M24906	123590	GEN-28V	Homo sapiens Rosenthal fiber protein (alpha-B-crystallin) mRNA, 3 end	107	107T>G	V36G
CRYAB	M24906	123590	GEN-28V	Homo sapiens Rosenthal fiber protein (alpha-B-crystallin) mRNA, 3 end	303	303A>T	3
CRYAB	M24906	123590	GEN-28V	Homo sapiens Rosenthal fiber protein (alpha-B-crystallin) mRNA, 3 end	305	305G>A	3
GAP43	M25667	162060	GEN-29U	Human neuronal growth protein 43 (GAP-43) mRNA, complete cds	1086	995T>G	3
M25756	M25756	118930	GEN-	Human secretogranin II	855	793G>A	V265M

			29W	gene, complete cds			
M25756	M25756	118930	GEN-29W	Human secretogranin II gene, complete cds	899	837C>T	S
M26383	M26383	146930	GEN-3E	Interleukin 8	259	185C>G	A62G
M26383	M26383	146930	GEN-3E	Interleukin 8	1237	1163A>T	3
M26383	M26383	146930	GEN-3E	Interleukin 8	1281	1207A>G	3
M27436	M27436	134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1414	1315C>T	3
M27436	M27436	134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1508	1409A>G	3
M27436	M27436	134390	GEN-R7	Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region	1588	1489T>G	3
M27492	M27492	147810	GEN-3F	INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	4686	4604T>G	3
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	34	15G>C	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	202	183C>T	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	204	185T>G	L62W
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	255	236C>T	S79F
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	689	670C>T	S
M27875	M27875	107680	GEN-2CK	Human apolipoprotein A-I mRNA, complete cds	824	805G>A	3
M28211	M28211	179511	GEN-2D1	Homo sapiens GTP-binding protein (RAB4) mRNA, complete cds	677	607A>G	T203A
M28211	M28211	179511	GEN-2D1	Homo sapiens GTP-binding protein (RAB4) mRNA, complete cds	679	609C>A	S
M28215	M28215	179512	GEN-2D3	Homo sapiens GTP-binding protein (RAB5)	297	241G>C	G81R

				mRNA, complete cds			
POMC	M28636	176830	GEN-2DG	Adrenocorticotropic hormone (ACTH)	92	92C>T	3
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1283	1153G>C	V385L
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1298	1168G>C	A390P
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1394	1264A>G	I422V
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1394	1264A>G	I422V
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1506	1376A>G	D459G
CETP	M30185	118470	GEN-2FK	Human cholesteryl ester transfer protein mRNA, complete cds	1696	1566G>A	3
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	178	79C>T	P27S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	203	104C>G	A35G
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	210	111G>T	S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	327	228C>T	S
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	553	454T>C	F
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	626	527G>T	3
M30262	M30262	600295	GEN-WA	Human cardiodilatin-atrial natriuretic factor (CDD-	640	541T>C	3

				ANF) mRNA, complete cds			
M31328	M31328	139130	GEN-7G	Guanine nucleotide binding protein (G protein), beta polypeptide 3	1049	1043G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1271	1241C>T	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1344	1314G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1489	1459G>A	3
M32313	M32313	184753	GEN-5Y	Steroid 5 alpha reductase 1	1780	1750T>C	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	676	587T>G	M196R
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1176	1087G>A	A363T
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1668	1579G>T	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	2898	2809G>A	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	3671	3582G>A	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	109	109G>A	D37N
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	438	438A>G	S
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1172	1172A>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1179	1179C>T	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1323	1323C>A	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1376	1376G>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1433	1433C>T	3
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	449	371A>G	3
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding	486	408G>A	3

				protein 1 (12kD)			
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	650	572T>C	3
M36035	M36035	109610	GEN-3P	Benzodiazepine receptor, peripheral-type	500	439G>A	A147T
M36035	M36035	109610	GEN-3P	Benzodiazepine receptor, peripheral-type	500	439G>A	A147T
M36035	M36035	109610	GEN-3P	Benzodiazepine receptor, peripheral-type	546	485A>G	H162R
M36035	M36035	109610	GEN-3P	Benzodiazepine receptor, peripheral-type	546	485A>G	H162R
M36035	M36035	109610	GEN-3P	Benzodiazepine receptor, peripheral-type	711	650T>G	3
M37400	M37400	138180	GEN-FC	Glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1588	1564A>C	3
M37400	M37400	138180	GEN-FC	Glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1810	1786G>A	3
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	323	167C>T	P56L
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1154	998T>A	V333E
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1213	1057C>A	H353N
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1482	1326G>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1663	1507T>C	F503L
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	68	68T>C	I23T
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	951	951G>A	S
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	1171	1171C>G	P391A
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S

M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	418	214G>T	A72S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	423	219G>A	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	612	408C>G	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	813	609C>T	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1031	827delC	F
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1039	835C>A	3
M59305	M59305	108962	GEN-39P	Human atrial natriuretic peptide clearance receptor (ANP C-receptor) mRNA, complete cds	160	(-203)-(-199)delTTTTT	F
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	644	639C>A	S
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	1892	1887C>A	3
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	2030	2025G>A	3
TCN2	M60396	275350	GEN-3AX	Human transcobalamin II (TCII) mRNA, complete cds	1164	1127C>T	S376L
TCN2	M60396	275350	GEN-3AX	Human transcobalamin II (TCII) mRNA, complete cds	1765	1728T>C	3
M60857	M60857	123841	GEN-10	Cyclophilin B	183	171C>T	S
M60857	M60857	123841	GEN-10	Cyclophilin B	217	205G>T	V69L
M60857	M60857	123841	GEN-10	Cyclophilin B	702	690C>T	3
M60857	M60857	123841	GEN-10	Cyclophilin B	804	792A>C	3
M62762	M62762	108745	GEN-FP	Vacuolar H+ ATPase proton channel subunit	425	195C>T	S
M62762	M62762	108745	GEN-FP	Vacuolar H+ ATPase proton channel subunit	784	554C>G	3
M62762	M62762	108745	GEN-FP	Vacuolar H+ ATPase	838	608C>T	3

				proton channel subunit			
LRPAP1	M63959	104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	850	837G>A	S
LRPAP1	M63959	104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1093	1080C>T	3
LRPAP1	M63959	104225	GEN-3EI	Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds	1249	1236C>T	3
FGFR3	M64347	134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3108	3108C>A	3
FGFR3	M64347	134934	GEN-3EX	Human novel growth factor receptor mRNA, 3 cds	3715	3715G>A	3
M64590	M64590	238300	GEN-FU	Glycine cleavage system: Protein P	3076	2926A>G	M976V
M64799	M64799	None	GEN-4DN	Histamine receptor H2	398	398T>C	V133A
M64799	M64799	None	GEN-4DN	Histamine receptor H2	525	525A>T	K175N
M64799	M64799	None	GEN-4DN	Histamine receptor H2	620	620A>G	K207R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	649	649A>G	N217D
M64799	M64799	None	GEN-4DN	Histamine receptor H2	692	692A>G	K231R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	802	802G>A	V268M
PRKAR1B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end	1424	1424C>G	3
PRKAR1B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end	1514	1514G>C	3
PRKAR1B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory	1550	1550G>C	3

				subunit RI-beta mRNA, 3 end			
PRKAR1B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end	1862	1862G>A	3
PRKAR1B	M65066	176911	GEN-3FK	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end	2139	2139C>T	3
FSHR	M65085	136435	GEN-3FQ	FSH receptor	2105	2039G>A	S680N
EDN2	M65199	131241	GEN-CBS	Endothelin 2	384	314C>T	A105V
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1500	1353T>A	S
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1512	1365G>A	F
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1566	1419G>A	S
M69175	M69175	238330	GEN-FX	Glycine cleavage system: Protein H	710	686C>G	3
M69175	M69175	238330	GEN-FX	Glycine cleavage system: Protein H	710	686C>G	3
M69175	M69175	238330	GEN-FX	Glycine cleavage system: Protein H	737	713C>T	3
M69175	M69175	238330	GEN-FX	Glycine cleavage system: Protein H	1007	983C>T	3
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	435	385A>C	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	936	886C>T	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1076	1026A>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1373	1323G>A	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1609	1559A>G	K520R
SRD5A2	M74047	264600	GEN-	Human steroid 5-alpha-	2379	2352A>G	3

			CDC	reductase 2 (SRD5A2) mRNA, complete cds			
GALN	M77140	137035	GEN-3PM	H.sapiens pro-galanin mRNA, 3 end	339	339C>T	3
M80646	M80646	274180	GEN-40	Thromboxane synthase	756	585G>C	S
M80646	M80646	274180	GEN-40	Thromboxane synthase	1240	1069C>G	L357V
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	190	129C>T	S
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	432	371T>G	F124C
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	922	861G>C	S
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	1241	1180G>A	3
TAC1R	M81797	162323	GEN-3W8	Tachylinins NK1 receptor	696	652G>A	V218I
TAC1R	M81797	162323	GEN-3W8	Tachylinins NK1 receptor	1397	1353G>C	3
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	424	(-127)G>A	5
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	597	47G>A	G16E
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	599	49G>C	A17P
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	661	111T>C	S
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	1042	492C>T	S
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	2005	1455A>G	S
M81883	M81883	266100	GEN-42	Glutamate decarboxylase 1 (brain, 67kD)	3033	2483C>T	3
M82962	M82962	600388	GEN-3XC	Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds	2316	2307T>G	3
M82962	M82962	600388	GEN-3XC	Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha)	2428	2419A>C	3

				mRNA, complete cds			
M83566	M83566	114206	GEN-3Y7	Human neuroendocrine/beta-cell-type calcium channel alpha-1 subunit mRNA, complete cds	1222	1104C>T	S
M83566	M83566	114206	GEN-3Y7	Human neuroendocrine/beta-cell-type calcium channel alpha-1 subunit mRNA, complete cds	1468	1350G>A	S
CHRNA5	M83712	118505	GEN-3YQ	Nicotinic, Cholinergic receptor alpha 5	1340	1192G>A	D398N
M84755	M84755	162641	GEN-46	Neuropeptide Y1	1121	1121A>C	K374T
TGFBR2	M85079	190182	GEN-3ZS	Human TGF-beta type II receptor mRNA, complete cds	2045	1710A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	1653	1569T>A	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	2599	2515C>G	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	2619	2535A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	2656	2572A>C	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	2745	2661C>T	3
YWHAZ	M86400	601288	GEN-40Y	Human phospholipase A2 mRNA, complete cds	2761	2677A>C	3
GABRR2	M86868	137162	GEN-4FS	Gamma-aminobutyric acid (GABA) A receptor	1369	1289C>T	T430M
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	296	16T>C	S6P
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	413	133G>A	G45R
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	853	573T>C	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	853	573T>C	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1342	1062A>G	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1342	1062A>G	S
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1430	1150T>G	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3

M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1446	1166C>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1453	1173A>G	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1677	1397G>A	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1797	1517G>T	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1885	1605C>T	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	1916	1636T>C	3
M87290	M87290	106165	GEN-19	Angiotensin receptor AT1	2158	1878A>G	3
M89473	M89473	None	GEN-4FU	NEUROMEDIN K RECEPTOR	1614	1471T>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2159	2062G>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2186	2089-2094ATATTA >ATATTA	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2186	2089-2094delATATTA	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2230	2133A>G	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2339	2242T>C	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2409	2312G>A	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2726	2629C>T	3
M90100	M90100	600262	GEN-1A	Cyclooxygenase 2 COX2	2983	2886C>T	3
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	3846	3846C>T	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	5505	5505G>A	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6582	6582A>G	S
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6613	6613G>C	G2205R
M92269	M92269	114205	GEN-SV	Ca Channel alpha1c (alt. splice) L-Type	6614	6614G>C	G2205A
M93415	M93415	102581	GEN-48S	Human activin type II receptor mRNA, complete cds	136	(-38)G>T	5
M94055	M94055	601219	GEN-493	Human voltage-gated sodium channel mRNA, complete cds	5226	5121G>A	S
IL8RB	M94582	146928	GEN-	Interleukin 8 receptor	838	786T>C	S

			49G				
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	1262	1210C>T	3
IL8RB	M94582	146928	GEN-49G	Interleukin 8 receptor	1494	1442A>G	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	802	732C>T	S
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1747	1677G>T	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1912	1842G>A	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1995	1925C>G	3
M98539	M98539	176803	GEN-SW	prostaglandin D2 synthase gene	157	158C>A	3
S63912	S63912	601233	GEN-3EJ	D10S102=FBRNP [human, fetal brain, mRNA, 3043 nt]	2193	2163G>A	3
GABRB2	S77553	600232	GEN-4FO	Gamma-aminobutyric acid (GABA) A receptor	438	438C>G	S
ADCYAP1	S83513	102980	GEN-3YA	pituitary adenylate cyclase activating polypeptide [human, mRNA, 1940 nt]	1521	1520G>A	3
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3377	3316A>C	3
U00672	U00672	146933	GEN-4A	Interleukin 10 receptor	3524	3463A>G	3
GLP1R	U01157	138032	GEN-V3	Human glucagon-like	780	780C>A	F260L

				peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds			
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	947	947G>C	G316A
GLP1R	U01157	138032	GEN-V3	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	1200	1200C>A	S
U02326	U02326	142445	GEN-PE	Human clone ndf43 neu differentiation factor mRNA, complete cds	752	644G>A	G215E
SLO	U02632	600150	GEN-XA	Calcium-activated potassium channel	2377	2377T>G	S793A
U02882	U02882	600129	GEN-XU	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	1798	1690T>C	C564R
U02882	U02882	600129	GEN-XU	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	1881	1773G>A	S
U02882	U02882	600129	GEN-XU	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	4691	4583T>G	3
U04735	U04735	601100	GEN-15A	Human microsomal stress 70 protein ATPase core (stch) mRNA, complete cds	2120	2084A>G	3
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	364	209G>A	S70N
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	728	573C>T	S
NTRK3	U05012	191316	GEN-16V	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	1613	1458C>T	S
NTRK3	U05012	191316	GEN-	Human receptor tyrosine	1643	1488G>C	S

			16V	kinase TrkC (NTRK3) mRNA, complete cds			
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	38	15C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	282	259A>T	S87C
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	350	327C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	365	342T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	464	441G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	474	451A>G	M151V
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	532	509A>G	H170R
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	538	515T>A	L172Q
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	689	666T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	806	783G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	872	849G>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	952	929T>G	I310S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1020	997G>A	3

DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1035	1012G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1112	1089C>T	3
U05875	U05875	147569	GEN-18J	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	2047	1399C>G	3
U05875	U05875	147569	GEN-18J	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds	2087	1439T>C	3
U07225	U07225	600041	GEN-1DM	P2Y2 purinoceptor	2008	1763G>A	3
U07364	U07364	600504	GEN-1DS	Inwardly rectifying potassium channel	982	885G>A	S
U07364	U07364	600504	GEN-1DS	Inwardly rectifying potassium channel	1099	1002A>G	S
U07364	U07364	600504	GEN-1DS	Inwardly rectifying potassium channel	1537	1440G>A	3
U07364	U07364	600504	GEN-1DS	Inwardly rectifying potassium channel	1714	1617G>A	3
AMPH	U07616	600418	GEN-1ED	Human amphiphysin mRNA, complete cds	1856	1746G>T	S
AMPH	U07616	600418	GEN-1ED	Human amphiphysin mRNA, complete cds	1901	1791G>A	S
AMPH	U07616	600418	GEN-1ED	Human amphiphysin mRNA, complete cds	2289	2179A>G	3
U08989	U08989	133550	GEN-CBZ	Human glutamate transporter mRNA, complete cds	684	519C>T	S
U08989	U08989	133550	GEN-CBZ	Human glutamate transporter mRNA, complete cds	1617	1452T>C	S
U09002	U09002	138253	GEN-1G8	Glutamate Aspartate receptor NMDA 2A	1430	1275A>G	S
U09002	U09002	138253	GEN-1G8	Glutamate Aspartate receptor NMDA 2A	4468	4313T>C	M1438T
U09002	U09002	138253	GEN-	Glutamate Aspartate	4671	4516G>T	3

			1G8	receptor NMDA 2A			
U09002	U09002	138253	GEN-1G8	Glutamate Aspartate receptor NMDA 2A	5562	5407delC	F
U09002	U09002	138253	GEN-1G8	Glutamate Aspartate receptor NMDA 2A	5765	5610C>T	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1369	927A>G	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1567	1125C>G	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2080	1638G>T	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2199	1757G>A	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2349	1907G>T	3
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	120	120T>C	S
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	473	473G>A	R158Q
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	550	550C>T	F
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	668	668C>T	A223V
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1059	1059T>C	S
U09806	U09806	None	GEN-	Human	1289	1289C>A	E430A

			4FZ	methylenetetrahydrofolate reductase mRNA, partial cds			
U09806	U09806	None	GEN-4FZ	Human methylenetetrahydrofolate reductase mRNA, partial cds	1308	1308T>C	3
OPRD1	U10504	165195	GEN-4F5	Human delta opiate receptor mRNA, complete cds	921	921T>C	S
U12507	U12507	600681	GEN-1MD	Cardiac inward rectifier potassium channel (HH-IRK1)	338	13C>A	S
U12507	U12507	600681	GEN-1MD	Cardiac inward rectifier potassium channel (HH-IRK1)	1597	1272G>A	S
U12779	U12779	None	GEN-1MV	Human MAP kinase activated protein kinase 2 mRNA, complete cds	450	72C>G	S
U12779	U12779	None	GEN-1MV	Human MAP kinase activated protein kinase 2 mRNA, complete cds	1329	951C>T	S
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	2356	2132A>C	3
U13737	U13737	600636	GEN-1PC	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	2535	2311C>T	3
U16125	U16125	138245	GEN-1XK	Glutamate Aspartate receptor GLU5	2563	2563T>G	C855G
U16957	U16957	300034	GEN-1L	Angiotensin receptor AT2	263	123T>C	S
U16957	U16957	300034	GEN-1L	Angiotensin receptor AT2	883	743G>A	R248K
NOS1	U17327	163731	GEN-209	Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds	3391	2706C>T	S
PDE4A	U18087	600126	GEN-214	Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA, complete cds	642	633T>G	S
PDE4A	U18087	600126	GEN-214	Human 3,5-cyclic AMP phosphodiesterase	804	795T>C	S

				HPDE4A6 mRNA, complete cds			
PDE4A	U18087	600126	GEN-214	Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA, complete cds	1616	1607A>C	E536A
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	2223	1932T>G	F644L
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	3046	2755C>T	P919S
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5503	5212A>G	3
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5634	5343A>G	3
U19251	U19251	600355	GEN-221	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	5644	5353A>G	3
U19487	U19487	176804	GEN-4I	PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	231	75A>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	53	(-43)T>C	5
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	341	246C>G	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	791	696C>T	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	1067	972G>A	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2100	2005^2006ins G	F
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter	2582	2487T>G	3

				(SLC19A1)			
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2652	2557T>C	3
U20157	U20157	601690	GEN-234	Human platelet-activating factor acetylhydrolase mRNA, complete cds	1297	1136T>C	V379A
U23143	U23143	138450	GEN-MIY	Human mitochondrial serine hydroxymethyltransferase gene, nuclear encoded mitochondrion protein, complete cds	506	506T>G	F169C
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	335	335C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	386	386T>C	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	1069	1069C>T	3
U26553	U26553	114131	GEN-66	Calcitonin Receptor	1412	1340C>T	P447L
U26553	U26553	114131	GEN-66	Calcitonin Receptor	1515	1443T>C	3
U26648	U26648	603189	GEN-IC	Syntaxin 5A	501	475C>T	R159W
U26648	U26648	603189	GEN-IC	Syntaxin 5A	1270	1244G>A	3
U26648	U26648	603189	GEN-IC	Syntaxin 5A	1288	1262G>T	3
U27699	U27699	603080	GEN-2C9	Human pephBGT-1 betaine-GABA transporter mRNA, complete cds	2841	2255C>T	3
U32315	U32315	600876	GEN-IL	syntaxin 3	411	373C>T	R125W
U32315	U32315	600876	GEN-IL	syntaxin 3	1601	1563G>A	3
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	407	159C>T	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	833	585T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	833	585T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1184	936T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1184	936T>C	S
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1706	1458-1460TAT>TA	3

U32500	U32500	162642	GEN-1P	Neuropeptide Y2	1706	T 1458-1460delTAT	3
U32500	U32500	162642	GEN-1P	Neuropeptide Y2	2782	2534^2535ins CA	F
U32989	U32989	191070	GEN-2JH	Human tryptophan oxygenase (TDO) mRNA, complete cds	991	927G>A	S
U33052	U33052	602549	GEN-2JL	Human lipid-activated, protein kinase PRK2 mRNA, complete cds	34	25G>C	E9Q
U33052	U33052	602549	GEN-2JL	Human lipid-activated, protein kinase PRK2 mRNA, complete cds	430	421T>C	S
U33052	U33052	602549	GEN-2JL	Human lipid-activated, protein kinase PRK2 mRNA, complete cds	1112	1103T>G	F368C
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	656	572A>G	D191G
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2608	2524G>A	A842T
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2649	2565G>A	S
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2713	2629C>T	S
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2785	2701G>A	V901I
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2846	2762C>G	A921G
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2856	2772C>T	S
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2860	2776G>A	A926T

U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2889	2805C>T	S
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2895	2811C>T	S
U33053	U33053	601032	GEN-2JK	Human lipid-activated protein kinase PRK1 mRNA, complete cds	2954	2870C>T	3
U33632	U33632	601745	GEN-IN	Two P-domain K+ channel TWIK-1 mRNA	1386	1204G>A	3
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	160	69C>T	S
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	220	129C>T	S
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	220	129C>T	S
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	352	261C>T	S
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	352	261C>T	S
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	1437	1346C>T	3
PSEN2	U34349	600759	GEN-2L2	Human seven trans-membrane domain protein (AD3LP/AD5) mRNA, complete cds	1654	1563C>G	3
PPP2R4	U37352	601645	GEN-2O5	Human protein phosphatase 2A Balpha1	2084	1996G>A	3

				regulatory subunit mRNA, complete cds			
TAC2	U37529	162320	GEN-2OH	Substance P beta-PPT-A	644	499G>A	3
TAC2	U37529	162320	GEN-2OH	Substance P beta-PPT-A	694	549T>C	3
TAC2	U37529	162320	GEN-2OH	Substance P beta-PPT-A	799	654A>G	3
TAC2	U37529	162320	GEN-2OH	Substance P beta-PPT-A	826	681C>T	3
U39412	U39412	None	GEN-2Q5	Homo sapiens alpha SNAP mRNA, complete cds	138	71C>T	S24L
U39412	U39412	None	GEN-2Q5	Homo sapiens alpha SNAP mRNA, complete cds	290	223C>T	L75F
U39412	U39412	None	GEN-2Q5	Homo sapiens alpha SNAP mRNA, complete cds	473	406G>A	V136M
U39412	U39412	None	GEN-2Q5	Homo sapiens alpha SNAP mRNA, complete cds	651	584C>G	T195S
U40347	U40347	600950	GEN-2RK	Human serotonin N-acetyltransferase mRNA, complete cds	382	148G>A	E50K
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	285	229A>C	K77Q
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	314	258A>T	K86N
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	336	280C>T	P94S
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	688	632C>T	T211I
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	970	914C>A	A305E
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	1511	1455G>A	S
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2377	2321C>T	T774M
U40396	U40396	602691	GEN-6W	Steroid receptor coactivator (SRC-1)	2730	2674C>T	P892S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	661	654T>C	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	697	690A>G	S

U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	940	933G>A	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1276	1269T>C	S
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1790	1783A>T	3
U40583	U40583	118511	GEN-4O	Nicotinic, Cholinergic receptor alpha 7	1792	1785T>A	3
U43030	U43030	600435	GEN-LFI	Human cardiotrophin-1 (CTF1) mRNA, complete cds	1404	1372C>T	3
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	446	253A>G	T85A
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	519	326A>G	K109R
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	1222	1029T>C	S
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	2161	1968G>C	K656N
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	2174	1981A>C	T661P
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	3151	2958C>T	S
LEPR	U43168	601007	GEN-2UN	Human leptin receptor (Ob-r) mRNA, complete cds	3250	3057G>A	S
U45448	U45448	600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1424	1228A>G	3
U45448	U45448	600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1604	1408C>G	3
U45448	U45448	600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1719	1523G>A	3
U45448	U45448	600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	1827	1631G>A	3
U45448	U45448	600845	GEN-4FI	Human P2x1 receptor mRNA, complete cds	2286	2090G>A	3
U47741	U47741	600140	GEN-6X	CREB-binding protein (CBP)	5369	5171A>T	E1724V
U47741	U47741	600140	GEN-6X	CREB-binding protein (CBP)	5372	5174A>T	D1725V
U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors 5-HT2C	2915	2187A>C	3

U49516	U49516	312861	GEN-1Q	Serotonin 5-HT receptors 5-HT2C	2947	2219A>G	3
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	75	16T>C	C6R
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	150	91G>A	A31T
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	511	452C>T	T151I
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	1161	1102A>G	3
U56976	U56976	171891	GEN-379	Human calmodulin dependent phosphodiesterase PDE1B1 mRNA, complete cds	1510	1476C>T	S
U57317	U57317	None	GEN-6Y	p300/CBP-associated factor (P/CAF)	2764	2306A>G	D769G
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2296	1742C>G	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2387	1833C>T	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2504	1950G>T	3
CHRNA2	U62431	118502	GEN-4EN	Nicotinic, Cholinergic receptor alpha 2	2538	1984G>A	3
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	870	639C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	870	639C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	909	678C>T	S

U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1440	1209T>G	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1458	1227C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1860	1629C>T	S
U62433	U62433	118504	GEN-4P	Nicotinic, Cholinergic receptor alpha 4	1890	1659G>A	S
U62768	U62768	151300	GEN-3CR	Human oxytocinase splice variant 1 mRNA, complete cds	3356	3295G>C	3
U62768	U62768	151300	GEN-3CR	Human oxytocinase splice variant 1 mRNA, complete cds	3547	3486C>T	3
U71321	U71321	602623	GEN-2TW	Human FK506-binding protein FKBP51 mRNA, complete cds	1248	1095C>T	S
U71321	U71321	602623	GEN-2TW	Human FK506-binding protein FKBP51 mRNA, complete cds	1425	1272G>A	S
U72661	U72661	602062	GEN-3LK	Human ninjurin1 mRNA, complete cds	1205	1185C>A	3
U75283	U75283	None	GEN-3NV	Human sigma receptor mRNA, complete cds	251	204G>A	S
U75283	U75283	None	GEN-3NV	Human sigma receptor mRNA, complete cds	1625	1578A>C	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1989	1811G>A	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1996	1818C>T	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	2045	1867T>C	3
U81504	U81504	603401	GEN-3VX	Homo sapiens beta-3A-adaptin subunit of the AP-3 complex mRNA, complete	1775	1683C>T	S

				cds			
U81504	U81504	603401	GEN-3VX	Homo sapiens beta-3A-adaptin subunit of the AP-3 complex mRNA, complete cds	2108	2016T>C	S
U81504	U81504	603401	GEN-3VX	Homo sapiens beta-3A-adaptin subunit of the AP-3 complex mRNA, complete cds	2668	2576G>T	S859I
U81554	U81554	602122	GEN-3VW	Homo sapiens CaM kinase II isoform mRNA, complete cds	939	727A>G	3
U84404	U84404	601623	GEN-83	Ubiquitin protein ligase E3A	1003	417A>T	S
U84404	U84404	601623	GEN-83	Ubiquitin protein ligase E3A	1386	800T>G	V267G
U84404	U84404	601623	GEN-83	Ubiquitin protein ligase E3A	1930	1344A>G	S
U84404	U84404	601623	GEN-83	Ubiquitin protein ligase E3A	2299	1713A>G	S
U95025	U95025	601116	GEN-4FX	Homo sapiens metabotropic glutamate receptor 8 (GRM8) mRNA, complete cds	744	744T>C	S
U97669	U97669	600276	GEN-4BU	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	7712	7634T>G	3
U97669	U97669	600276	GEN-4BU	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	7852	7774A>G	3
U97669	U97669	600276	GEN-4BU	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	7881	7803G>A	3
U97669	U97669	600276	GEN-4BU	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	7934	7856T>C	3
V00518	V00518	118850	GEN-P4	Human messenger RNA for chorionic gonadotropin	565	515T>C	3
V00519	V00519	139250	GEN-4U	Growth hormone 1	299	259C>A	P87T
V00519	V00519	139250	GEN-4U	Growth hormone 1	524	484G>T	G162W
IFNB1	V00546	147640	GEN-TV	Messenger RNA for human	474	410T>G	L137R

				fibroblast interferon			
V00548	V00548	147562	GEN-P2	Human messenger RNA for leukocyte (alpha-2) interferon	119	119G>A	R40K
V00566	V00566	176760	GEN-4V	Prolactin	574	570G>A	S
V00571	V00571	122560	GEN-CBO	corticotropin releasing factor	822	637delA	F
V00571	V00571	122560	GEN-CBO	corticotropin releasing factor	837	652G>A	3
X00734	X00734	None	GEN-MST	Human beta-tubulin gene (5-beta) with ten Alu family members	1059	1059G>T	S
X01394	X01394	191160	GEN-4Y	Tumor necrosis factor	125	(-28)C>T	5
X02317	X02317	147450	GEN-KM	Superoxide dismutase 1 (Cu/Zn)	614	550A>C	3
X02415	X02415	134850	GEN-MJ0	Human gene for fibrinogen gamma chain	1000	949G>A	D317N
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	870	29C>T	P10L
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	979	138C>G	I46M
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1632	791C>T	T264I
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1807	966C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1930	1089G>A	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	1942	1101C>T	S
X02812	X02812	190180	GEN-XR	Human mRNA for transforming growth factor-beta (TGF-beta)	2013	1172G>A	S391N
X03172	X03172	192340	GEN-ZM	Human mRNA for vasopressin precursor	379	356T>G	V119G
X03635	X03635	133430	GEN-50	estrogen receptors	390	30T>C	S

X03635	X03635	133430	GEN-50	estrogen receptors	390	30T>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	424	64G>C	E22Q
X03635	X03635	133430	GEN-50	estrogen receptors	617	257C>T	A86V
X03635	X03635	133430	GEN-50	estrogen receptors	621	261G>C	S
X03635	X03635	133430	GEN-50	estrogen receptors	829	469C>T	F
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1335	975C>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	1451	1091T>A	V364E
X03635	X03635	133430	GEN-50	estrogen receptors	1674	1314G>A	M438I
X03635	X03635	133430	GEN-50	estrogen receptors	2142	1782A>G	S
X03635	X03635	133430	GEN-50	estrogen receptors	2354	1994A>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	2550	2190A>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	2733	2373C>G	3
X03635	X03635	133430	GEN-50	estrogen receptors	3181	2821T>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	3338	2978C>T	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292-3294CCT>CCT	3
X03635	X03635	133430	GEN-50	estrogen receptors	3652	3292-3294delCCT	3
X03635	X03635	133430	GEN-50	estrogen receptors	3896	3536C>A	3
X03635	X03635	133430	GEN-50	estrogen receptors	4378	4018T>C	3
X03635	X03635	133430	GEN-50	estrogen receptors	6287	5927T>C	3
X04741	X04741	191342	GEN-KU	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L1	51	20C>A	S7Y
X04741	X04741	191342	GEN-KU	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L1	291	260C>G	A87G
X04741	X04741	191342	GEN-KU	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L1	296	265G>C	A89P
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	62	(-13)C>G	5
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	455	381C>T	S

CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	550	476C>T	3
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	632	558A>C	3
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	647	573G>A	3
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	713	639C>T	3
CST3	X05607	105150	GEN-189	Human mRNA for cysteine proteinase inhibitor precursor cystatin C	746	672A>C	3
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	83	(-54)G>C	5
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	940	804G>A	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1327	1191T>C	S
X06318	X06318	176970	GEN-KY	Protein kinase C, beta 1	1906	1770C>T	S
X06562	X06562	600946	GEN-6D	Growth hormone receptor	3392	3349A>T	3
X06562	X06562	600946	GEN-6D	Growth hormone receptor	4145	4102G>A	3
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	266	253C>T	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	272	259G>A	E87K
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	288	275G>A	R92Q
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	292	279G>A	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	595	582T>C	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	598	585T>A	D195E
X07674	X07674	138130	GEN-	Human mRNA for	646	633A>G	S

			1EC	glutamate dehydrogenase (EC 1.4.1.3., GDH)			
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	668	655A>G	I219V
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	693	680G>A	S227N
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	721	708C>T	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	859	846T>C	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1134	1121C>T	A374V
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1164	1151G>C	S384T
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1255	1242C>T	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1415	1402A>C	M468L
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1427	1414G>T	F
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1501	1488G>T	R496S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1528	1515C>T	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1539	1526G>C	G509A
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1581	1568G>A	R523H

X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1633	1620T>C	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1645	1632G>A	S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1665	1652A>G	N551S
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1717	1704T>A	3
X07674	X07674	138130	GEN-1EC	Human mRNA for glutamate dehydrogenase (EC 1.4.1.3., GDH)	1830	1817G>A	3
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	44	40C>G	P14A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	51	47T>C	V16A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	198	194C>A	T65N
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	249	245T>C	I82T
X12953	X12953	179509	GEN-1NA	Human rab2 mRNA, YPT1-related and member of ras family	723	515A>C	Q172P
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	54	18G>T	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	441	405T>C	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	469	433G>C	E145Q
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	592	556A>G	K186E
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of	364	240A>G	S

				androgens)			
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1655	1531C>T	3
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1796	1672G>T	3
X13629	X13629	107690	GEN-1OO	Human intestinal mRNA for apolipoprotein A-IV	881	836G>A	R279K
X13629	X13629	107690	GEN-1OO	Human intestinal mRNA for apolipoprotein A-IV	1185	1140G>T	Q380H
X13629	X13629	107690	GEN-1OO	Human intestinal mRNA for apolipoprotein A-IV	1302	1257^1258ins CTGT	F
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	2805	2339C>T	T780I
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8608	8142G>A	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	8923	8457C>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9034	8568G>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9040	8574C>T	S
X13916	X13916	107770	GEN-1Q1	Human mRNA for LDL-receptor related protein	9391	8925T>C	S
LIF	X13967	159540	GEN-1PZ	Human mRNA for leukaemia inhibitory factor (LIF/HILDA)	3710	3666T>G	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	131	84C>T	S

				and beta-1 chain			
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	429	382G>T	V128F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	836	789C>T	S
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1234	1187C>T	S396L
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1372	1325A>T	Y442F
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1482	1435C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1548	1501C>T	3
CLU	X14723	185430	GEN-1SB	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	1645	1598A>T	3
X14766	X14766	137160	GEN-1X	Gamma-aminobutyric acid (GABA) A receptor	370	156C>T	S
CHRNB1	X14830	100710	GEN-4EK	Nicotinic, Cholinergic receptor beta 1	1375	1359C>T	S
CHRNB1	X14830	100710	GEN-4EK	Nicotinic, Cholinergic receptor beta 1	1591	1575T>C	3
X15263	X15263	None	GEN-4EQ	Muscarinic receptor, CHRM1	1144	1044G>A	S
X15357	X15357	108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	1066	1023G>C	M341I
X15357	X15357	108960	GEN-	Human mRNA for	1657	1614C>T	S

			KUV	natriuretic peptide receptor (ANP-A receptor)			
X15357	X15357	108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	2859	2816G>A	R939Q
X15357	X15357	108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	2983	2940G>A	S
X15357	X15357	108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	3259	3216delC	F
X15357	X15357	108960	GEN-KUV	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	3589	3546^3547ins GAAA	F
X16087	X16087	272750	GEN-1XG	Human mRNA for G(M2) activator protein	13	13A>G	T5A
X16087	X16087	272750	GEN-1XG	Human mRNA for G(M2) activator protein	133	133G>A	V45I
X16087	X16087	272750	GEN-1XG	Human mRNA for G(M2) activator protein	163	163G>A	V55M
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	399	183C>T	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	1692	1476C>T	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2067	1851C>G	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2725	2509T>C	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2855	2639C>A	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2988	2772G>A	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3234	3018C>T	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3625	3409A>G	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3883	3667C>T	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	4053	3837A>G	3
X51362	X51362	126450	GEN-	Dopamine Receptor D2	588	423G>A	S

			31W				
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	1104	939C>T	S
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	1122	957T>C	S
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	1248	1083A>G	S
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	1488	1323T>C	S
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	1548	1383A>G	3
X51362	X51362	126450	GEN-31W	Dopamine Receptor D2	2361	2196C>T	3
X51416	X51416	601998	GEN-57	STEROID HORMONE RECEPTOR ERR1	2285	2222G>A	3
FGFR1	X51803	136350	GEN-32G	Human mRNA for fibroblast growth factor (FGF) receptor	276	159T>G	S
EDN3	X52001	131242	GEN-33E	Endothelin 3	1262	1152G>A	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1649	1539C>G	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1700	1590C>T	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1742	1632C>T	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1797	1687C>T	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	1914	1804G>C	3
EDN3	X52001	131242	GEN-33E	Endothelin 3	2040	1930C>T	3
X52008	X52008	305990	GEN-22	Glycine receptor alpha2	591	204T>G	S
GLRA1	X52009	138491	GEN-4FJ	H.sapiens alpha-1 strychnine binding subunit of inhibitory glycine receptor mRNA	1477	1181C>T	P394L
GLRA1	X52009	138491	GEN-4FJ	H.sapiens alpha-1 strychnine binding subunit of inhibitory glycine receptor mRNA	1520	1224C>T	S

X52479	X52479	176960	GEN-LM	Protein kinase C, alpha	908	881A>C	D294A
NGFB	X52599	162030	GEN-33V	Human mRNA for beta nerve growth factor	832	663G>A	S
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	849	795A>G	S
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1337	1283C>T	3
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1416	1362G>A	3
X52773	X52773	180245	GEN-74	Retinoid X receptor, alpha	1744	1669G>A	3
FGFR2	X52832	176943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	338	159A>G	S
FGFR2	X52832	176943	GEN-341	Human bek mRNA for fibroblast growth factor receptor-BEK	2903	2724A>T	3
CHRNA3	X53559	118503	GEN-34I	Nicotinic, Cholinergic receptor alpha 3	212	212A>G	D71G
CHRNA3	X53559	118503	GEN-34I	Nicotinic, Cholinergic receptor alpha 3	552	552C>T	S
X54199	X54199	138440	GEN-LS	Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	168	90G>A	S
X54315	X54315	114020	GEN-351	Human mRNA for N-cadherin	2549	2448T>C	S
AGXT	X56092	259900	GEN-36R	Human Ser-PyrAT mRNA for serine-pyruvate aminotransferase	1234	1213C>A	3
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	83	28G>A	V10I
FGFR4	X57205	134935	GEN-37M	Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4)	217	162T>G	S
YWHAB	X57346	601289	GEN-	H.sapiens mRNA for HS1	432	60C>A	S

			37R	protein			
YWHAB	X57346	601289	GEN-37R	H.sapiens mRNA for HS1 protein	1135	763T>C	3
X57348	X57348	601290	GEN-37S	H.sapiens mRNA (clone 9112)	1317	1152C>T	3
X57348	X57348	601290	GEN-37S	H.sapiens mRNA (clone 9112)	1342	1177C>T	3
X57830	X57830	182135	GEN-7V	Serotonin 5-HT2 receptor	247	102T>C	S
CRHBP	X58022	122559	GEN-38K	Human mRNA for corticotropin-releasing factor binding protein (CRF-BP)	987	941T>G	I314S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	229	(-48)A>G	5
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	366	90G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	474	198G>A	S
DRD1	X58987	126449	GEN-4EH	D1 dopaminergic receptor	1539	1263G>A	S
X59834	X59834	138290	GEN-M4	Glutamate-ammonia ligase (glutamine synthase)	67	(-43)G>C	5
X59834	X59834	138290	GEN-M4	Glutamate-ammonia ligase (glutamine synthase)	304	195T>C	S
X59834	X59834	138290	GEN-M4	Glutamate-ammonia ligase (glutamine synthase)	1127	1018C>T	R340C
X59834	X59834	138290	GEN-M4	Glutamate-ammonia ligase (glutamine synthase)	2048	1939G>A	3
X59834	X59834	138290	GEN-M4	Glutamate-ammonia ligase (glutamine synthase)	2694	2585C>G	3
X59847	X59847	308840	GEN-3A5	H.sapiens mRNA for neural cell adhesion molecule L1	855	855C>T	S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	203	96A>C	S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1372	1265A>G	H422R
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1501	1394G>A	R465K

X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1766	1659C>T	S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	1823	1716T>C	S
X61157	X61157	109635	GEN-23	Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor)	2976	2869G>A	3
X63368	X63368	604139	GEN-MD	DNAJ PROTEIN HOMOLOG HSJ1	2593	2568C>A	3
X63522	X63522	180246	GEN-75	MHC class I promoter binding protein	1331	1152T>C	S
X64878	X64878	167055	GEN-24	Oxytocin receptor	4048	3681A>C	3
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	51	44G>A	R15H
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	116	109A>C	K37Q
X65019	X65019	147678	GEN-6G	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	261	254G>A	G85E
NTRK1	X66397	191315	GEN-3GN	H.sapiens tpr mRNA	2632	2335G>A	V779I
X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2236	2225G>T	3
X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2333	2322A>G	3
X66403	X66403	100725	GEN-5D	Nicotinic, Cholinergic receptor epsilon polypeptide	2364	2353G>T	3
X69117	X69117	109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1182	1182T>C	S
X69117	X69117	109636	GEN-5G	BETA-ADRENERGIC RECEPTOR KINASE 2	1609	1609G>A	E537K
X70811	X70811	109691	GEN-3KK	beta-3-adrenergic receptor	315	190T>C	W64R
X71490	X71490	108746	GEN-MX	ATPase, H+ transporting,	1247	991C>A	3

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				lysosomal (vacuolar proton pump) 31kD			
X71490	X71490	108746	GEN-MX	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD	1555	1299C>A	3
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1380	1155C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	1503	1278C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2048	1823C>T	S608L
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2287	2062G>A	G688S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2339	2114A>G	D705G
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2583	2358T>C	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	2982	2757A>G	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3022	2797C>G	R933G
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3051	2826C>T	S
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3693	3468T>C	3
NOS2A	X73029	163730	GEN-3LW	H.sapiens mRNA for nitric oxide synthase	3715	3490G>A	3
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	390	390T>C	S
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1051	1051T>G	L351V
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1125	1125C>T	S
PREP	X74496	600400	GEN-3N8	Prolyl Endopeptidase	1363	1363G>A	V455M
X75299	X75299	192321	GEN-3NU	H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor	1915	1904T>C	3
X75299	X75299	192321	GEN-3NU	H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor	2475	2464T>C	3

X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	30	(-68)C>G	5
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2010	1913A>G	3
X75958	X75958	600456	GEN-3OE	H.sapiens trkB mRNA for protein-tyrosine kinase	2101	2004C>T	3
X76228	X76228	108746	GEN-N6	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD	46	(-30)G>A	5
X76228	X76228	108746	GEN-N6	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD	1023	948A>G	3
X76228	X76228	108746	GEN-N6	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD	1143	1068C>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	191	46A>C	T16P
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	212	67G>A	G23R
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	967	822G>A	M274I
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	1531	1386C>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2254	2109A>T	3
LIPA	X76488	278000	GEN-3P2	H.sapiens mRNA for lysosomal acid lipase	2439	2294C>T	3
NMB	X76534	162340	GEN-3P5	H.sapiens NMB mRNA	481	390A>G	S
NMB	X76534	162340	GEN-3P5	H.sapiens NMB mRNA	2478	2387T>C	3
NMB	X76534	162340	GEN-3P5	H.sapiens NMB mRNA	2655	2564A>C	3
MPV17	X76538	600945	GEN-3P6	H.sapiens Mpv17 mRNA	575	548C>T	3
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	528	351G>A	S
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	569	392A>G	Y131C
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	687	510C>T	S

X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	1303	1126C>G	3
X77130	X77130	602548	GEN-4FN	H.sapiens mRNA for ORL1 receptor	1816	1639G>T	3
CLCN4	X77197	302910	GEN-3PO	H.sapiens mRNA for chloride channel	212	(-172)C>T	5
X77533	X77533	602730	GEN-3Q3	H.sapiens mRNA for activin type II receptor	1462	1458C>T	S
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	253	28G>T	V10F
X77722	X77722	602376	GEN-29	Interferon (alpha,beta, omega) receptor 2 (splice variant)	1128	903A>G	S
X77748	X77748	601115	GEN-3QD	Metabotropic glutamate receptor type 3	384	126G>A	S
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	953	753A>G	3
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	960	760G>A	3
YWHAH	X78138	113508	GEN-3QU	H.sapiens 14-3-3 eta subtype mRNA	1387	1187C>T	3
X78282	X78282	601292	GEN-LVF	H.sapiens mRNA for aryl sulfotransferase (ST1A2)	895	895T>C	3
X78520	X78520	600580	GEN-3RG	H. sapiens RNA for CLCN3	2804	2142T>C	S
X78520	X78520	600580	GEN-3RG	H. sapiens RNA for CLCN3	2822	2160A>G	S
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	1922	1922G>A	3
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2378	2378G>A	3
X78706	X78706	600184	GEN-2A	Carnitine Acetyltransferase	2382	2382G>A	3
X80818	X80818	604100	GEN-3VD	Metabotropic glutamate receptor type 4	1625	1455T>C	S
X80818	X80818	604100	GEN-3VD	Metabotropic glutamate receptor type 4	3060	2890A>G	3
X83378	X83378	602726	GEN-NI	Putative Chloride Channel	3181	3155T>G	3
X83378	X83378	602726	GEN-NI	Putative Chloride Channel	5041	5015G>A	3
X83378	X83378	602726	GEN-NI	Putative Chloride Channel	5366	5340G>A	3
X83861	X83861	176806	GEN-5H	Prostaglandin E receptor 3 (subtype EP3) {alternative	387	180C>G	S

				products)			
X86681	X86681	602110	GEN-41E	H.sapiens mRNA for nucleolar protein, HNP36	1725	1340G>A	3
X94552	X94552	604101	GEN-4FW	H.sapiens mRNA for metabotropic glutamate receptor type 7	2027	1789C>T	S
X94552	X94552	604101	GEN-4FW	H.sapiens mRNA for metabotropic glutamate receptor type 7	2434	2196C>T	S
X94552	X94552	604101	GEN-4FW	H.sapiens mRNA for metabotropic glutamate receptor type 7	2473	2235G>A	S
X97058	X97058	602451	GEN-4BB	P2 purinoceptor (P2Y6)	121	(-156)T>G	5
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	167	144T>C	S
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	637	614C>A	3
X97370	X97370	601459	GEN-4BM	H.sapiens mRNA for prepronociceptin	862	839C>G	3
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	221	207C>G	S
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	268	254A>G	D85G
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	332	318C>T	S
Y00052	Y00052	123840	GEN-SX	Cyclophilin A	627	613C>A	3
CHGB	Y00064	118920	GEN-SZ	Human mRNA for secretogranin I (chromogranin B)	2230	2118A>C	3
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	4613	4466G>A	S1489N
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6371	6224C>T	T2075M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	6813	6666C>T	S
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	7150	7003G>A	V2335M
Y00285	Y00285	147280	GEN-6I	IGF-2 receptor	8685	8538C>A	3
Y00749	Y00749	131240	GEN-P7	Endothelin 1	846	594G>T	K198N
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	3641	3561T>G	S
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	3818	3738C>T	S
Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	5158	5078G>A	S1693N

Y08110	Y08110	602005	GEN-1FK	H.sapiens mRNA for mosaic protein LR11	6571	6491G>A	R2164K
Y08756	Y08756	602164	GEN-4EC	Serotonin 5-HT receptors 5-HT4	765	747T>C	S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	835	809A>G	H270R
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	946	920G>A	R307Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1068	1042G>A	A348T
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1096	1070C>G	T357S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1405	1379A>G	Q460R
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1589	1563C>G	H521Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1590	1564G>A	V522I
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1628	1602G>T	S
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1759	1733G>A	R578Q
Y09561	Y09561	None	GEN-4F4	H.sapiens mRNA for P2X7 receptor	1772	1746G>A	S
Y09567	Y09567	602534	GEN-1H3	Homo sapiens mRNA for SNAP23A protein, complete CDS	396	396G>A	S
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	358	304T>G	S102A
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	1768	1714T>C	3
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	1768	1714T>C	3
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	1976	1922C>T	3
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	1976	1922C>T	3
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	2470	2416T>C	3
Y09765	Y09765	300093	GEN-2C	Gamma-aminobutyric acid (GABA) A receptor	2499	2445A>G	3

Y11044	Y11044	603540	GEN-1JS	Homo sapiens mRNA for GABA-BR1a (hGB1a) receptor	60	61G>T	3
Y12226	Y12226	603533	GEN-1LV	H.sapiens mRNA for gamma-adaptin	3264	3236T>C	3
Y12226	Y12226	603533	GEN-1LV	H.sapiens mRNA for gamma-adaptin	3569	3541T>C	3
Y12226	Y12226	603533	GEN-1LV	H.sapiens mRNA for gamma-adaptin	3683	3655A>G	3
Y15286	Y15286	None	GEN-1TU	Homo sapiens mRNA for vacuolar proton-ATPase subunit M9.2	40	(-23)G>A	5
Y15521	Y15521	None	GEN-MEN	Homo sapiens ASMTL gene	1622	1622A>G	K541R
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	246	240T>C	S
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	1694	1688A>C	D563A
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2033	2027G>A	3
Z15108	Z15108	176982	GEN-1TE	H.sapiens mRNA for protein kinase C zeta	2086	2080T>G	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	437	438C>T	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	466	467G>A	3
Z26649	Z26649	600230	GEN-2B5	Phospholipase C beta-3	2664	2665C>T	3
Z31357	Z31357	603943	GEN-2GM	H.sapiens mRNA for cysteine dioxygenase type 1	388	134T>C	I45T
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1141	1104C>T	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1627	1590T>C	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1696	1659G>A	S
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	1946	1909G>A	V637M
ECE1	Z35307	600423	GEN-2MA	Endothelin Converting Enzyme 1	2433	2396G>A	3

PDE4C	Z46632	600128	GEN-2X2	H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase	280	169C>T	R57C
PDE4C	Z46632	600128	GEN-2X2	H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase	1142	1031G>A	R344Q
Z69028	Z69028	601644	GEN-3J4	H.sapiens mRNA for beta 2 isoform of 61 kDa regulatory subunit of PP2A	1681	1612A>T	3
PAM	M37721	170270	GEN-2OK	Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds	3183	2995T>A	3
PAM	M37721	170270	GEN-2OK	Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds	3530	3342A>G	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	399	183C>T	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	1692	1476C>T	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2067	1851C>G	S
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2725	2509T>C	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2855	2639C>A	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	2988	2772G>A	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3234	3018C>T	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3625	3409A>G	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	3883	3667C>T	3
PACE	X17094	136950	GEN-1ZV	Human fur mRNA for furin	4053	3837A>G	3

Table 14.
Identified
Variances

In Genes and Related Pathways Identified in Pharmacokinetic and Pharmacodynamic Parameters of Candidate Therapeutic Interventions

AAC2	D90040	243400	GEN-465	Human mRNA for arylamine N-acetyltransferase (EC 2.3.1.5)	232	191G>A	R64Q
AAC2	D90040	243400	GEN-465	Human mRNA for arylamine N-acetyltransferase (EC 2.3.1.5)	323	282C>T	S
AAC2	D90040	243400	GEN-465	Human mRNA for arylamine N-acetyltransferase (EC 2.3.1.5)	844	803A>G	K268R
AB000812	AB000812	602550	GEN-14E	Human mRNA for BMAL1b, complete cds	1084	1044C>A	S
AB003791	AB003791	603797	GEN-1F9	Homo sapiens mRNA for keratan sulfate Gal-6-sulfotransferase, complete cds	1617	1251G>A	3
AB003791	AB003791	603797	GEN-1F9	Homo sapiens mRNA for keratan sulfate Gal-6-sulfotransferase, complete cds	1643	1277G>A	3

AB004854	AB004854	603608	GEN-KV6	Homo sapiens mRNA for carbonyl reductase 3, complete cds	730	730G>A	V244M
AB005289	AB005289	300135	GEN-KVU	Homo sapiens mRNA for ABC transporter 7 protein, complete cds	2137	2069A>T	H690L
AB014679	AB014679	None	GEN-L22	Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferas e (GlcNAc6ST), complete cds	1578	1189G>T	V397L
AB014679	AB014679	None	GEN-L22	Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferas e (GlcNAc6ST), complete cds	2335	1946T>C	3
AB015050	AB015050	603377	GEN-L2D	Homo sapiens mRNA for OCTN2, complete cds	1101	978G>A	S
ABC3	X97187	601615	GEN-4BI	H.sapiens mRNA for ABC-C transporter	4671	4324G>T	V1442F
ABC3	X97187	601615	GEN-4BI	H.sapiens mRNA for ABC-C transporter	5075	4728G>A	S
ADH2	M24317	103720	GEN-28A	Human class I alcohol dehydrogenase (ADH2) beta-1 subunit mRNA, complete cds	817	787G>A	V263M
ADH3	M12272	103730	GEN-1LU	Homo sapiens alcohol dehydrogenase class I gamma subunit (ADH3) mRNA, complete cds	1128	1048A>G	I350V
ADH4	M15943	103740	GEN-1UM	Human class II alchohol dehydrogenase (ADH4) pi subunit mRNA, complete cds	826	765G>T	S
ADH4	M15943	103740	GEN-1UM	Human class II alchohol dehydrogenase (ADH4) pi subunit mRNA, complete cds	1389	1328T>C	3
ADH5	M29872	103710	GEN-	Human alcohol	1029	1025G>A	S342N

			2EU	dehydrogenase class III (ADH5) mRNA, complete cds			
ADH5	M29872	103710	GEN-2EU	Human alcohol dehydrogenase class III (ADH5) mRNA, complete cds	1375	1371T>C	3
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	75	67T>C	C23R
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	116	108C>T	S
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	759	751T>G	S251A
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	806	798C>T	S
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	866	858T>C	S
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	2000	1992G>T	3
AF001437	AF001437	245349	GEN-9T	Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	2158	2150C>A	3
AF001945	AF001945	601691	GEN-17Z	Homo sapiens rim ABC transporter (ABCR) mRNA, complete cds	2725	2644G>A	G882S
AF001945	AF001945	601691	GEN-17Z	Homo sapiens rim ABC transporter (ABCR) mRNA, complete cds	5136	5055C>T	S

AF009746	AF009746	603214	GEN-1HZ	Homo sapiens peroxisomal membrane protein 69 (PMP69) mRNA, complete cds	961	910G>A	A304T
AF009746	AF009746	603214	GEN-1HZ	Homo sapiens peroxisomal membrane protein 69 (PMP69) mRNA, complete cds	1895	1844A>G	3
AF009746	AF009746	603214	GEN-1HZ	Homo sapiens peroxisomal membrane protein 69 (PMP69) mRNA, complete cds	2134	2083T>G	3
AF019386	AF019386	None	GEN-231	Homo sapiens heparan sulfate 3-O-sulfotransferase-1 precursor (3OST1) mRNA, complete cds	79	(-40)C>G	5
AF026947	AF026947	603418	GEN-261	Homo sapiens aflatoxin aldehyde reductase AFAR mRNA, complete cds	1013	936T>C	S
AF026947	AF026947	603418	GEN-261	Homo sapiens aflatoxin aldehyde reductase AFAR mRNA, complete cds	1078	1001A>G	3
AF027302	AF027302	603429	GEN-27T	Homo sapiens TNF-alpha stimulated ABC protein (ABC50) mRNA, complete cds	3075	2981T>C	3
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	34	(-209)A>C	5
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	210	(-33)G>A	5
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1)	229	(-14)A>G	5

				mRNA, complete cds			
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	375	133T>G	F45V
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	875	633A>C	E211D
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	881	639A>G	S
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	883	641G>C	G214A
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	919	677A>G	K226R
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	927	685T>C	S
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	935	693A>G	S
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1004	762A>G	S

AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1017	775A>C	K259Q
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1106	864A>G	S
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1119	877G>C	G293R
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1124	882A>C	S
AF028738	AF028738	602631	GEN-2F6	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	1166	924G>C	W308C
AF038175	AF038175	None	GEN-2QM	Homo sapiens clone 23819 white protein homolog mRNA, partial cds	1100	1100G>A	3
AF055025	AF055025	300095	GEN-32U	Homo sapiens clone 24776 mRNA sequence	784	785A>G	3
AF055025	AF055025	300095	GEN-32U	Homo sapiens clone 24776 mRNA sequence	2021	2022A>T	3
AF058056	AF058056	None	GEN-MNJ	Homo sapiens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds	200	73G>A	A25T
AF058056	AF058056	None	GEN-MNJ	Homo sapiens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds	203	76G>A	A26T
AF058056	AF058056	None	GEN-	Homo sapiens	588	461G>A	S154N

			MNJ	monocarboxylate transporter 2 (hMCT2) mRNA, complete cds			
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1972	1663G>A	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1989	1680A>T	3
AF070548	AF070548	None	GEN-LNS	Homo sapiens clone 24408 2-oxoglutarate carrier protein mRNA, complete cds	1224	1113C>T	3
AF070548	AF070548	None	GEN-LNS	Homo sapiens clone 24408 2-oxoglutarate carrier protein mRNA, complete cds	1483	1372A>C	3
AF093771	AF093771	None	GEN-LTJ	Homo sapiens mitoxantrone resistance protein 1 mRNA, partial sequence	528	529G>A	3
AHR	L19872	600253	GEN-22N	Human AH-receptor mRNA, complete cds	4722	4347G>A	3
AJ000730	AJ000730	603752	GEN-KY4	Homo sapiens mRNA for cationic amino acid transporter 3	195	117G>A	S
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	65	(-39)G>C	5
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	197	94A>G	K32E
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	227	124G>A	G42R
AJ001838	AJ001838	603758	GEN-17S	Homo sapiens mRNA for maleylacetoacetate isomerase	348	245C>T	T82M
AJ005162	AJ005162	600067	GEN-KVT	Homo sapiens mRNA for UDP-glucuronosyltransferase	1915	1882A>C	3

AJ130718	AJ130718	None	GEN-LDO	Homo sapiens mRNA for glycoprotein-associated amino acid transporter y+LAT1	1820	1527G>A	S
ALDH10	L47162	270200	GEN-2XI	Human fatty aldehyde dehydrogenase (FALDH) mRNA, complete cds	1609	1446A>T	S
ALDH3	M74542	100660	GEN-3N9	Human aldehyde dehydrogenase type III (ALDHIII) mRNA, complete cds	1616	1574A>G	3
ALDH6	U07919	600463	GEN-1F5	Human aldehyde dehydrogenase 6 mRNA, complete cds	2453	2401A>G	3
ALDH6	U07919	600463	GEN-1F5	Human aldehyde dehydrogenase 6 mRNA, complete cds	3396	3344C>T	3
ALDH6	U07919	600463	GEN-1F5	Human aldehyde dehydrogenase 6 mRNA, complete cds	3397	3345G>A	3
ARNT	M69238	126110	GEN-3JH	Human aryl hydrocarbon receptor nuclear translocator (ARNT) mRNA, complete cds	623	567G>C	S
ARSB	M32373	253200	GEN-2J0	Human arylsulfatase B (ASB) mRNA, complete cds	1631	1072G>A	V358M
ARSE	X83573	300180	GEN-3Y8	Homo sapiens ARSE gene, complete CDS	1759	1692C>T	S
ARSE	X83573	300180	GEN-3Y8	Homo sapiens ARSE gene, complete CDS	1795	1728G>A	S
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	51	(-20)T>C	5
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	218	148C>T	L50F
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	1237	1167T>C	S
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	1325	1255C>T	S
CAT	X04076	115500	GEN-13P	Human kidney mRNA for catalase	2131	2061A>C	3

CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	106	71A>T	D24V
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	971	936T>C	S
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	1229	1194G>A	S
CBR	J04056	114830	GEN-13O	Human carbonyl reductase mRNA, complete cds	1060	967G>A	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	1022	1023T>C	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	2001	2002C>T	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	2278	2279G>A	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	2358	2359G>C	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	2524	2525T>C	3
CBS	L00972	236200	GEN-UV	Human cystathionine-beta-synthase (CBS) mRNA	2545	2546C>T	3
CEL	M85201	114841	GEN-404	Human cholesterol esterase mRNA, complete cds	566	558T>C	S
CEL	M85201	114841	GEN-404	Human cholesterol esterase mRNA, complete cds	1306	1298G>A	S433N
CEL	M85201	114841	GEN-404	Human cholesterol esterase mRNA, complete cds	1826	1818C>T	S
CFTR	M28668	602421	GEN-2DF	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR)	2729	2597G>A	C866Y
CFTR	M28668	602421	GEN-2DF	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator	5826	5694T>C	3

				(CFTR)			
CPA1	X67318	114850	GEN-3HJ	H.sapiens mRNA for procarboxypeptidase A1	172	165G>C	S
CPA1	X67318	114850	GEN-3HJ	H.sapiens mRNA for procarboxypeptidase A1	498	491C>G	T164R
CPA1	X67318	114850	GEN-3HJ	H.sapiens mRNA for procarboxypeptidase A1	629	622G>A	A208T
CRYZ	L13278	123691	GEN-1NZ	Homo sapiens zeta-crystallin/quinone reductase mRNA, complete cds	64	54G>A	S
CRYZ	L13278	123691	GEN-1NZ	Homo sapiens zeta-crystallin/quinone reductase mRNA, complete cds	902	892G>A	V298M
CRYZ	L13278	123691	GEN-1NZ	Homo sapiens zeta-crystallin/quinone reductase mRNA, complete cds	1229	1219A>G	3
CTH	S52028	219500	GEN-33F	cystathionine gamma-lyase {clone HCL-1} [human, liver, mRNA, 1194 nt]	1109	1076T>G	I359S
CYP11B2	D13752	124080	GEN-CCD	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	1600	1593G>A	3
CYP1B1	U03688	601771	GEN-11Y	Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds	488	142C>G	R48G
CYP1B1	U03688	601771	GEN-11Y	Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds	701	355G>T	A119S
CYP1B1	U03688	601771	GEN-11Y	Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds	2673	2327G>T	3
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	224	224G>A	R75H
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	330	330C>T	S

CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	745	745T>C	3
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	766	644G>A	C215Y
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	894	772C>T	R258C
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	912	790C>T	R264W
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	1476	1354C>T	R452C
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	1616	1494G>A	S
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	1836	1714C>A	3
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	2283	2161G>T	3
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	2445	2323T>C	3
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	2507	2385G>A	3
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA,	2556	2434T>A	3

				complete cds			
CYP51	U23942	601637	GEN-27K	Human lanosterol 14-demethylase cytochrome P450 (CYP51) mRNA, complete cds	2665	2543G>A	3
D13138	D13138	179780	GEN-1NW	Human mRNA for dipeptidase	566	523T>G	S175A
D17793	D17793	None	GEN-20Q	Human mRNA for KIAA0119 gene, complete cds	66	15G>C	Q5H
D17793	D17793	None	GEN-20Q	Human mRNA for KIAA0119 gene, complete cds	141	90G>A	S
D17793	D17793	None	GEN-20Q	Human mRNA for KIAA0119 gene, complete cds	363	312A>G	S
D17793	D17793	None	GEN-20Q	Human mRNA for KIAA0119 gene, complete cds	980	929G>C	S310T
D87292	D87292	180370	GEN-42Y	Human mRNA for rhodanese, complete cds	816	768C>T	S
D87292	D87292	180370	GEN-42Y	Human mRNA for rhodanese, complete cds	946	898G>A	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds	2299	2096G>A	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds	2332	2129A>G	3
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	434	(-1284)A>T	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	889	(-829)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	1156	(-562)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2644	927T>C	S
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2920	1203A>G	3
D90041	D90041	108345	GEN-464	Human liver arylamine N-acetyltransferase (EC 2.3.1.5) gene	591	445G>A	V149I
D90041	D90041	108345	GEN-464	Human liver arylamine N-	1240	1094C>A	3

				acetyltransferase (EC 2.3.1.5) gene			
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	38	15C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	282	259A>T	S87C
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	350	327C>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	365	342T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	464	441G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	474	451A>G	M151V
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	532	509A>G	H170R
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	538	515T>A	L172Q
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	689	666T>C	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	806	783G>A	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	872	849G>T	S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	952	929T>G	I310S
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1020	997G>A	3

DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1035	1012G>A	3
DDH1	U05598	600450	GEN-184	Human dihydrodiol dehydrogenase mRNA, complete cds	1112	1089C>T	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	829	787C>T	3
EHHADH	L07077	261515	GEN-1DF	Human enyol-CoA: hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats	1225	1218G>A	S
EHHADH	L07077	261515	GEN-1DF	Human enyol-CoA: hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats	1823	1816C>A	P606T
ELA1	M16631	130120	GEN-1YI	Human elastase 2 mRNA, complete cds	510	489G>A	S
ELA1	M16631	130120	GEN-1YI	Human elastase 2 mRNA, complete cds	693	672G>A	S
EPHX1	L25878	132810	GEN-29Z	Homo sapiens p33/HEH epoxide hydrolase (EPHX) mRNA, complete cds	460	337T>C	Y113H
EPHX1	L25878	132810	GEN-29Z	Homo sapiens p33/HEH epoxide hydrolase (EPHX) mRNA, complete cds	480	357A>G	S
EPHX1	L25878	132810	GEN-29Z	Homo sapiens p33/HEH epoxide hydrolase (EPHX) mRNA, complete cds	539	416A>G	H139R
EPHX1	L25878	132810	GEN-29Z	Homo sapiens p33/HEH epoxide hydrolase (EPHX) mRNA, complete cds	1194	1071C>T	S
EPHX2	L05779	132811	GEN-18A	Human cytosolic epoxide hydrolase mRNA, complete cds	1631	1590A>C	S

EPHX2	L05779	132811	GEN-18A	Human cytosolic epoxide hydrolase mRNA, complete cds	1742	1701A>G	3
EPHX2	L05779	132811	GEN-18A	Human cytosolic epoxide hydrolase mRNA, complete cds	1800	1759T>C	3
FABP2	M10050	134640	GEN-1IE	Human liver fatty acid binding protein (FABP) mRNA, complete cds	322	280G>A	A94T
FACL1	L09229	152425	GEN-1GI	Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds	3026	2953G>A	3
FACL1	L09229	152425	GEN-1GI	Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds	3083	3010G>A	3
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	925	897T>C	S
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1324	1296G>T	E432D
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1335	1307C>A	T436K
GC	M12654	139200	GEN-1MN	Human serum vitamin D-binding protein (hDBP) mRNA, complete cds	1362	1334G>A	R445H
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	504	186G>A	S
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	610	292C>G	R98G
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	911	593C>T	P198L
GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1048	730A>C	3

GPX1	Y00433	138320	GEN-TJ	Human mRNA for glutathione peroxidase (EC 1.11.1.9.)	1110	792A>C	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	821	773C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	979	931G>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1187	1139T>G	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1354	1306C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1443	1395C>T	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1516	1468C>A	3
GPX3	X58295	138321	GEN-38S	Human GPx-3 mRNA for plasma glutathione peroxidase	1581	1533C>T	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	718	638T>C	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	837	757C>A	3
GPX4	X71973	138322	GEN-3L1	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	882	802A>C	3
GSTM3	J05459	138390	GEN-17O	Human glutathione transferase M3 (GSTM3) mRNA, complete cds	687	670G>A	V224I
GSTM5	L02321	138385	GEN-WO	Human glutathione S-transferase (GSTM5)	1406	1349T>C	3

				mRNA, complete cds			
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	319	313A>G	I105V
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	347	341C>T	A114V
GSTP1	X06547	134660	GEN-19N	Human mRNA for class Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)	561	555C>T	S
GSTT2	L38503	600437	GEN-2PC	Homo sapiens glutathione S-transferase theta 2 (GSTT2) mRNA, complete cds	203	203C>T	S68L
GSTT2	L38503	600437	GEN-2PC	Homo sapiens glutathione S-transferase theta 2 (GSTT2) mRNA, complete cds	543	543C>T	S
HADHA	U04627	600890	GEN-155	Human 78 kDa gastrin-binding protein mRNA, complete cds	1507	1507G>A	V503M
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	871	825T>C	S
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1607	1561G>C	3
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1908	1862A>C	3
HADHB	D16481	143450	GEN-1Y5	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	1911	1865A>C	3

HRH1	AF026261	600167	GEN-26W	Histamine receptor H1	1068	1068A>G	S
HSST	U17970	600853	GEN-20V	Human heparan sulfate N-deacetylase/N-sulfotransferase mRNA, complete cds	2294	2066G>C	G689A
IDS	L40586	309900	GEN-2SB	Homo sapiens iduronate-2-sulphatase (IDS) mRNA, complete cds	565	438C>T	S
J03459	J03459	151570	GEN-8	Leukotriene A4 hydrolase	140	72G>T	S
J03459	J03459	151570	GEN-8	Leukotriene A4 hydrolase	1511	1443A>T	E481D
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1099	967G>A	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1123	991T>C	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1222	1090G>C	3
J03548	J03548	103260	GEN-11M	Human adrenodoxin mRNA, complete cds	1254	1122G>A	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	55	21C>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	959	925C>A	P309T
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	1762	1728A>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043AC>AC	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043delAC	F
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2328	2294C>T	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2376	2342T>G	3
J03746	J03746	138330	GEN-11Z	Human glutathione S-transferase mRNA, complete cds	560	487A>G	3
J03746	J03746	138330	GEN-	Human glutathione S-	598	525T>G	3

			11Z	transferase mRNA, complete cds			
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	99	84T>C	S
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	543	528C>T	S
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	643	628T>A	S210T
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	728	713C>G	3
J03817	J03817	138350	GEN-9D	Glutathione S-transferase M1	902	887C>T	3
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	454	401G>A	R134K
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	969	916C>G	Q306E
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	1614	1561T>C	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2011	1958G>A	R653Q
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2335	2282C>T	T761M
J04794	J04794	None	GEN-PR	Human aldehyde reductase mRNA, complete cds	661	601C>A	Q201K
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	240	240A>G	S
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	327	327C>T	S
J05176	J05176	107280	GEN-PT	Human alpha-1-antichymotrypsin mRNA, 3 end	554	554T>C	V185A
K03001	K03001	100650	GEN-5N	Aldehyde dehydrogenase 2, mitochondrial	656	656T>A	V219E
K03001	K03001	100650	GEN-5N	Aldehyde dehydrogenase 2, mitochondrial	988	988G>C	V330L
K03191	K03191	108330	GEN-9E	Cytochrome P450, subfamily I (aromatic compound-inducible),	1470	1384G>A	V462I

				polypeptide 1			
L02932	L02932	170998	GEN-KW4	Human peroxisome proliferator activated receptor mRNA, complete cds	648	432G>A	S
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	1001	969C>T	S
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	1333	1301T>C	F434S
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	1406	1374T>C	S
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	1944	1912A>G	3
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	1970	1938G>A	3
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	2011	1979C>T	3
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	2047	2015T>C	3
L04751	L04751	601310	GEN-157	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	2115	2083A>G	3
L05628	L05628	158343	GEN-4D9	Human multidrug resistance-associated protein (MRP) mRNA, complete cds	3369	3173G>A	R1058Q
L05628	L05628	158343	GEN-4D9	Human multidrug resistance-associated protein (MRP) mRNA, complete cds	4198	4002G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	191	153C>T	S
L10819	L10819	171150	GEN-	Homo sapiens aryl	200	162G>A	S

			LVD	sulfotransferase mRNA, complete cds			
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	230	192T>C	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	242	204G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	295	257C>T	A86V
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	330	292G>A	D98N
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	338	300G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	638	600C>G	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	676	638A>G	H213R
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	940	902G>A	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	1011	973T>C	3
L11696	L11696	104614	GEN-D6	Solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	1897	1854G>A	M618I
L11696	L11696	104614	GEN-D6	Solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral	2232	2189T>C	3

				amino acid transport), member 1			
L13286	L13286	600125	GEN-1O3	Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds	2031	1638G>A	3
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	243	105A>G	S
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	284	146C>T	S49F
L31801	L31801	600682	GEN-DQ	Solute carrier family 16 (monocarboxylic acid transporters), member 1	1482	1470A>T	E490D
L31801	L31801	600682	GEN-DQ	Solute carrier family 16 (monocarboxylic acid transporters), member 1	1772	1760G>C	3
L32179	L32179	600338	GEN-2IW	Human arylacetamide deacetylase mRNA, complete cds	1366	1281G>A	3
L78207	L78207	600509	GEN-5Q	Cell surface receptor for sulfonylureas on pancreatic b cells	4019	3981A>G	S
LCT	X07994	603202	GEN-1F6	Human mRNA for lactase-phlorizin hydrolase LPH (EC 3.2.1.23-62)	5845	5834C>G	3
LIPC	J03540	151670	GEN-11J	Human hepatic lipase mRNA, complete cds	469	465T>G	S
LIPC	J03540	151670	GEN-11J	Human hepatic lipase mRNA, complete cds	595	591A>G	S
LIPC	J03540	151670	GEN-11J	Human hepatic lipase mRNA, complete cds	648	644G>A	S215N
LIPC	J03540	151670	GEN-11J	Human hepatic lipase mRNA, complete cds	817	813C>T	S
LIPC	J03540	151670	GEN-11J	Human hepatic lipase mRNA, complete cds	1441	1437C>A	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	1220	1088A>G	N363S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893AG>AG	S

M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893delAG	F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2054	1922A>T	D641V
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2372	2240T>G	I747S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>C	L753F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>T	L753F
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	2166	2034C>T	S
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	3
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	3
M14565	M14565	118485	GEN-30	Cytochrome P450, subfamily XIA (cholesterol side chain cleavage)	947	903G>C	M301I
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	978	554-555TT>GA>GA	V185G
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	978	554-555TT>TT	S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	1623	1199G>A	S400N
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3101	2677G>A	A893T
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3101	2677G>T	A893S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	3859	3435C>T	S
M14758	M14758	171050	GEN-1S6	P glycoprotein 1	4460	4036A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	136	(-39)T>C	5
M15856	M15856	238600	GEN-33	Lipoprotein lipase	280	106G>A	D36N
M15856	M15856	238600	GEN-33	Lipoprotein lipase	438	264T>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	447	273G>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	474	300C>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	480	306A>C	R102S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	511	337T>C	W113R
M15856	M15856	238600	GEN-33	Lipoprotein lipase	571	397C>T	F

M15856	M15856	238600	GEN-33	Lipoprotein lipase	680	506G>A	G169E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	722	548A>G	D183G
M15856	M15856	238600	GEN-33	Lipoprotein lipase	770	596C>G	S199C
M15856	M15856	238600	GEN-33	Lipoprotein lipase	781	607G>A	A203T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	795	621C>G	D207E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	818	644G>A	G215E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	836	662T>C	I221T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	839	665G>A	G222E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	867	693C>G	D231E
M15856	M15856	238600	GEN-33	Lipoprotein lipase	875	701C>T	P234L
M15856	M15856	238600	GEN-33	Lipoprotein lipase	916	742delG	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	983	809G>A	R270H
M15856	M15856	238600	GEN-33	Lipoprotein lipase	985	811T>A	S271T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1003	829G>A	D277N
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1127	953A>G	N318S
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1255	1081G>A	A361T
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1348	1174C>G	L392V
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1401	1227G>A	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1508	1334G>A	C445Y
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1595	1421C>G	F
M15856	M15856	238600	GEN-33	Lipoprotein lipase	1973	1799T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2428	2254T>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2743	2569T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2851	2677A>G	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	2958	2784G>A	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3017	2843T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3272	3098T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3343	3169T>C	3
M15856	M15856	238600	GEN-33	Lipoprotein lipase	3447	3273C>T	3
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	16	(-40)G>A	5
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST)	54	(-2)T>C	5

				mRNA, complete cds			
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	84	29T>C	F10S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	111	56C>T	T19I
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	170	115G>T	F
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	321	266G>A	R89K
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	376	321C>T	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	430	375G>A	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	622	567C>T	S
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	684	629A>C	E210A
M15872	M15872	138360	GEN-QS	Human glutathione S-transferase 2 (GST) mRNA, complete cds	701	646G>T	A216S
M16505	M16505	308100	GEN-7D	STERYL-SULFATASE PRECURSOR	2725	2505T>G	3
M16505	M16505	308100	GEN-7D	STERYL-SULFATASE PRECURSOR	4364	4144G>A	3
M16505	M16505	308100	GEN-7D	STERYL-SULFATASE PRECURSOR	4665	4445A>G	3
M16505	M16505	308100	GEN-7D	STERYL-SULFATASE PRECURSOR	5894	5674A>G	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	422	293A>G	D98G
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	557	428G>A	G143D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	564	435-436TT>AG>AG	F146V

M16541	M16541	177400	GEN-35	Butyrylcholinesterase	568	439C>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	596	467A>G	Y156C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	941	812C>T	T271M
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	961	832A>C	T278P
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	978	849G>C	E283D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1201	1072T>A	L358I
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1306	1177G>A	G393R
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1382	1253G>T	G418V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1549	1420T>G	F474V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1564	1435G>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1703	1574A>T	E525V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1756	1627C>T	R543C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16827	M16827	201450	GEN-EI	Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	1956	1938T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	1550	1308C>T	S
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3179	2937T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3238	2996C>T	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3356	3114T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3378	3136T>C	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III (GLUT3), complete cds	3524	3282C>A	3
M20681	M20681	138170	GEN-23O	Human glucose transporter-like protein-III	3572	3330G>T	3

				(GLUT3), complete cds			
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	331	294G>A	S
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	400	363C>A	D121E
M24400	M24400	118890	GEN-R2	Human chymotrypsinogen mRNA, complete cds	121	105G>A	S
M24400	M24400	118890	GEN-R2	Human chymotrypsinogen mRNA, complete cds	231	215C>A	T72N
M24400	M24400	118890	GEN-R2	Human chymotrypsinogen mRNA, complete cds	460	444C>T	S
M24400	M24400	118890	GEN-R2	Human chymotrypsinogen mRNA, complete cds	649	633C>T	S
M24857	M24857	180190	GEN-80	Retinoic acid receptor, gamma 1	1694	1280C>T	S427L
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	193	147C>G	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	967	921A>G	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1009	963G>C	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1027	981T>A	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1054	1008T>C	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1093	1047T>A	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1178	1132A>G	N378D
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1191	1145T>C	I382T
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete	1394	1348A>T	T450S

				cds			
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1474	1428T>C	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1492	1446C>T	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1504	1458C>T	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1543	1497G>A	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1579	1533A>G	S
M24895	M24895	104660	GEN-R3	Homo sapiens alpha-amylase mRNA, complete cds	1601	1555T>A	3
M26393	M26393	201470	GEN-EW	Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	1797	1765A>G	3
M29874	M29874	None	GEN-3I	Cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6	2758	2752T>A	3
M29874	M29874	None	GEN-3I	Cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6	2836	2830G>A	3
M29874	M29874	None	GEN-3I	Cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6	2902	2896T>C	3
M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	26	17C>A	A6E
M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	183	174G>A	S
M29882	M29882	107670	GEN-6R	Apolipoprotein A-II	192	183C>A	S
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	109	109G>A	D37N
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	438	438A>G	S

M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1172	1172A>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1179	1179C>T	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1323	1323C>A	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1376	1376G>C	3
M34479	M34479	179060	GEN-F9	Pyruvate dehydrogenase (lipoamide) beta	1433	1433C>T	3
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	323	167C>T	P56L
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1154	998T>A	V333E
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1213	1057C>A	H353N
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1482	1326G>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1663	1507T>C	F503L
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1208	1133T>G	V378G
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1975	1900C>T	3
M55531	M55531	138230	GEN-FF	Solute carrier family 2 (facilitated glucose transporter), member 5	1985	1910A>G	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	1828	1813C>T	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	1956	1941C>G	3
M57899	M57899	191740	GEN-38A	Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds	2057	2042C>G	3
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S

M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	418	214G>T	A72S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	423	219G>A	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	612	408C>G	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	813	609C>T	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1031	827delC	F
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1039	835C>A	3
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	174	159C>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	210	195G>C	W65C
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	264	249A>T	S
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	265	250C>T	L84F
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	265	250C>T	L84F
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	442	427A>G	I143V
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	442	427A>G	I143V
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	493	478G>A	G160R
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA methyltransferase	548	533A>G	K178R
M60761	M60761	156569	GEN-FL	O-6-methylguanine-DNA	582	567G>A	S

				methyltransferase			
M61855	M61855	601130	GEN-3C1	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25	852	853T>A	3
M61855	M61855	601130	GEN-3C1	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25	1085	1086A>G	3
M61855	M61855	601130	GEN-3C1	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25	1437	1438T>A	3
M63012	M63012	168820	GEN-9F	Paraoxonase 1	172	163A>T	M55L
M63509	M63509	138380	GEN-9G	Glutathione S-transferase M2 (muscle)	644	628A>T	T210S
M64082	M64082	136130	GEN-9H	Flavin-containing monooxygenase 1 (DIMETHYLANILINE MONOOXYGENASE)	1286	1188A>G	S
M64082	M64082	136130	GEN-9H	Flavin-containing monooxygenase 1 (DIMETHYLANILINE MONOOXYGENASE)	1808	1710C>T	3
M64082	M64082	136130	GEN-9H	Flavin-containing monooxygenase 1 (DIMETHYLANILINE MONOOXYGENASE)	1904	1806C>T	3
M64592	M64592	120420	GEN-3X	Granulocyte colony-stimulating factor	271	271T>G	Y91D
M64592	M64592	120420	GEN-3X	Granulocyte colony-stimulating factor	1533	1533C>T	S
M64799	M64799	None	GEN-4DN	Histamine receptor H2	398	398T>C	V133A
M64799	M64799	None	GEN-4DN	Histamine receptor H2	525	525A>T	K175N
M64799	M64799	None	GEN-4DN	Histamine receptor H2	620	620A>G	K207R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	649	649A>G	N217D
M64799	M64799	None	GEN-4DN	Histamine receptor H2	692	692A>G	K231R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	802	802G>A	V268M

M68867	M68867	180231	GEN-S1	Human cellular retinoic acid-binding protein II (CRABP) mRNA, complete cds	604	506C>A	3
M68895	M68895	103735	GEN-MH7	Human alcohol dehydrogenase 6 gene, complete cds	547	454G>A	V152M
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	435	385A>C	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	936	886C>T	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1076	1026A>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1373	1323G>A	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1609	1559A>G	K520R
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	202	(-109)G>C	5
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	520	210T>C	S
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	1185	875G>A	3
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	1473	1163C>G	3
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	1692	1382C>T	3
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	2591	2281A>G	3
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	3138	2828G>C	3
M80244	M80244	600182	GEN-3UJ	Human E16 mRNA, complete cds	3538	3228T>C	3
M96234	M96234	138333	GEN-9J	Glutathione S-transferase M4	797	534T>C	S
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	802	732C>T	S
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate	1747	1677G>T	3

				synthetase mRNA, complete cds			
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1900	1830T>C	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1912	1842G>A	3
M98045	M98045	136510	GEN-4C3	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	1995	1925C>G	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1467	1250C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1868	1651C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1917	1700C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	2962	2745G>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	4589	4372G>A	3
MTP	X75500	157147	GEN-3O7	H.sapiens mRNA for microsomal triglyceride transfer protein	1847	1823T>G	F608C

MTP	X75500	157147	GEN-3O7	H.sapiens mRNA for microsomal triglyceride transfer protein	3231	3207G>A	3
NMOR1	J03934	125860	GEN-12L	Human, NAD(P)H:menadione oxidoreductase mRNA, complete cds	609	559C>T	P187S
NMOR1	J03934	125860	GEN-12L	Human, NAD(P)H:menadione oxidoreductase mRNA, complete cds	1784	1734T>G	3
NMOR1	J03934	125860	GEN-12L	Human, NAD(P)H:menadione oxidoreductase mRNA, complete cds	1994	1944C>T	3
NMOR2	J02888	160998	GEN-XT	Human quinone oxidoreductase (NQO2) mRNA, complete cds	505	330G>A	S
NMOR2	J02888	160998	GEN-XT	Human quinone oxidoreductase (NQO2) mRNA, complete cds	909	734G>C	3
NRAMP1	L32185	600266	GEN-2IY	Homo sapiens integral membrane protein (NRAMP1) mRNA, complete cds	1399	1323C>T	S
NRAMP2	L37347	600523	GEN-2O6	Human integral membrane protein (Nramp2) mRNA, partial	1092	1083C>T	S
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	128	113A>G	Q38R
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	222	207C>T	S
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	273	258A>C	S
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	296	281C>A	T94N
ORM1	M13692	138600	GEN-	Human alpha-1 acid	514	499C>T	R167C

			1P5	glycoprotein mRNA, complete cds			
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	535	520G>A	V174M
ORM1	M13692	138600	GEN-1P5	Human alpha-1 acid glycoprotein mRNA, complete cds	654	639G>T	3
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	849	795A>G	S
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1337	1283C>T	3
PDHA1	X52709	312170	GEN-33Y	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)	1416	1362G>A	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	116	(-20)G>T	5
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	231	96G>C	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144GT>GT	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144delGT	F
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	643	508C>T	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	700	565G>C	3
PNLIP	M93285	246600	GEN-48N	Pancreatic lipase (PNLIP) (Dietary supplement)	646	646G>T	V216L
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	34	28G>T	V10L
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	61	55G>A	D19N

PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	97	91G>A	E31K
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	198	192C>T	S
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	412	406G>T	G136C
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	492	486T>C	S
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	711	705C>T	S
PRSS1	M22612	276000	GEN-26A	Human pancreatic trypsin 1 (TRY1) mRNA, complete cds	744	738T>C	S
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	29	23C>T	T8I
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	34	28G>T	V10F
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	61	55G>A	D19N
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	97	91G>A	E31K
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	198	192C>T	S
PRSS2	M27602	601564	GEN-2C7	Human pancreatic trypsinogen (TRY2) mRNA, complete cds	276	270G>A	S
PXMP1	X58528	170995	GEN-392	Human PMP70 mRNA for a peroxisomal membrane protein	2375	2351C>T	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter	1369	927A>G	S

				mRNA, complete cds			
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	1567	1125C>G	S
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2080	1638G>T	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2199	1757G>A	3
SLC18A3	U09210	600336	GEN-4F3	Human vesicular acetylcholine transporter mRNA, complete cds	2349	1907G>T	3
SLC5A1	M24847	182380	GEN-28S	Human Na+/glucose cotransporter 1 mRNA, complete cds	2226	2216C>T	3
SLC6A3	L24178	126455	GEN-283	Homo sapiens dopamine transporter mRNA, complete cds	1917	1898C>T	3
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	676	(-721)T>G	5
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	814	(-583)C>T	5
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	1993	597C>T	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	2365	969C>T	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol acyltransferase mRNA, complete cds	2821	1425G>C	S
SOAT	L21934	102642	GEN-25C	Human acyl coenzyme A:cholesterol	3537	2141T>C	3

				acyltransferase mRNA, complete cds			
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	44	40C>G	P14A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	51	47T>C	V16A
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	198	194C>A	T65N
SOD2	X07834	147460	GEN-1ES	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)	249	245T>C	I82T
SOD3	J02947	185490	GEN-Y3	Human extracellular-superoxide dismutase (SOD3) mRNA, complete cds	1042	973C>T	3
SPINK1	Y00705	167790	GEN-UA	Homo sapiens pstI mRNA for pancreatic secretory inhibitor (expressed in neoplastic tissue)	332	272C>T	3
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1163	1135G>A	V379I
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1186	1158G>T	S
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	1840	1812G>A	S
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2021	1993G>A	A665T
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2087	2059C>T	F
TAP2	Z22935	170261	GEN-26P	H.sapiens TAP2B mRNA, complete CDS	2119	2091T>G	S
TBG	M14091	314200	GEN-1QO	Human thyroxine-binding globulin mRNA, complete cds	901	571G>A	D191N
TBG	M14091	314200	GEN-1QO	Human thyroxine-binding globulin mRNA, complete cds	1239	909G>T	L303F
TCN2	M60396	275350	GEN-	Human transcobalamin II	1164	1127C>T	S376L

			3AX	(TCII) mRNA, complete cds			
TCN2	M60396	275350	GEN-3AX	Human transcobalamin II (TCII) mRNA, complete cds	1765	1728T>C	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	536	460G>A	A154T
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	795	719A>G	Y240C
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1085	1009T>C	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1336	1260C>T	3
TPMT	U12387	187680	GEN-1LY	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	1373	1297G>A	3
TPP2	M55169	190470	GEN-35U	Homo sapiens tripeptidyl peptidase II mRNA, 3 end	2681	2681T>G	F894C
TPP2	M55169	190470	GEN-35U	Homo sapiens tripeptidyl peptidase II mRNA, 3 end	3637	3637G>A	3
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	683	600C>T	S
U03858	U03858	600007	GEN-MDM	Fms-related tyrosine kinase 3 ligand	1016	933T>C	3
U06088	U06088	253000	GEN-MP3	Human N-acetylgalactosamine 6-sulphatase (GALNS) gene	1936	1936C>T	3
U06088	U06088	253000	GEN-MP3	Human N-acetylgalactosamine 6-sulphatase (GALNS) gene	2180	2180G>A	3
U06088	U06088	253000	GEN-MP3	Human N-acetylgalactosamine 6-sulphatase (GALNS) gene	2221	2221G>A	3
U07132	U07132	600380	GEN-7M	Orphan receptor	763	519G>A	S
U07132	U07132	600380	GEN-7M	Orphan receptor	1399	1155C>T	S
U07132	U07132	600380	GEN-7M	Orphan receptor	1726	1482G>C	3
U07132	U07132	600380	GEN-7M	Orphan receptor	1952	1708C>G	3

U08021	U08021	600008	GEN-1FG	Human nicotinamide N-methyltransferase (NNMT) mRNA, complete cds	584	467C>G	P156R
U08021	U08021	600008	GEN-1FG	Human nicotinamide N-methyltransferase (NNMT) mRNA, complete cds	613	496C>T	S
U08989	U08989	133550	GEN-CBZ	Human glutamate transporter mRNA, complete cds	684	519C>T	S
U08989	U08989	133550	GEN-CBZ	Human glutamate transporter mRNA, complete cds	1617	1452T>C	S
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	166	85T>C	C29R
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	166	85T>C	C29R
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	577	496A>G	M166V
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	638	557A>G	Y186C
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	1708	1627A>G	I543V
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3432	3351T>C	3
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3730	3649G>A	3
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3925	3844A>G	3
U09178	U09178	274270	GEN-HA	Dihydropyrimidine Dehydrogenase	3937	3856T>C	3
U10868	U10868	600466	GEN-1JF	Human aldehyde dehydrogenase ALDH7 mRNA, complete cds	2681	2634T>C	3
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	149	122A>C	E41A
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	402	375G>A	S

U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	802	775C>G	P259A
U16660	U16660	600696	GEN-1YD	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	1157	1130G>A	3
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	1161	1132G>A	V378M
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	1670	1641C>T	S
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	2034	2005G>A	V669M
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	2088	2059C>T	R687C
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	2150	2121C>T	S
U17986	U17986	300036	GEN-20X	Human GABA/noradrenaline transporter mRNA, complete cds	2231	2202A>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	53	(-43)T>C	5
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	175	80G>A	R27H
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	341	246C>G	S
U19720	U19720	600424	GEN-I1	Folate Transporter	791	696C>T	S

				(SLC19A1)			
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	1067	972G>A	S
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2100	2005^2006ins G	F
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2582	2487T>G	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2617	2522C>T	3
U19720	U19720	600424	GEN-I1	Folate Transporter (SLC19A1)	2652	2557T>C	3
U19977	U19977	600688	GEN-22Q	Human preprocarboxypeptidase A2 (proCPA2) mRNA, complete cds	631	627C>T	S
U20157	U20157	601690	GEN-234	Human platelet-activating factor acetylhydrolase mRNA, complete cds	1297	1136T>C	V379A
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	335	335C>T	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	386	386T>C	3
U25029	U25029	138040	GEN-82	Glucocorticoid receptor alpha	1069	1069C>T	3
U27699	U27699	603080	GEN-2C9	Human pephBGT-1 betaine-GABA transporter mRNA, complete cds	2841	2255C>T	3
U34252	U34252	602733	GEN-3O5	Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds	2417	2040G>A	3
U34252	U34252	602733	GEN-3O5	Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds	2471	2094A>C	3
U34252	U34252	602733	GEN-3O5	Human gamma-aminobutyraldehyde	2674	2297A>C	3

				dehydrogenase mRNA, complete cds			
U34252	U34252	602733	GEN-3O5	Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds	2676	2299A>C	3
U35735	U35735	111000	GEN-2MN	Human RACH1 (RACH1) mRNA, complete cds	1006	838A>G	N280D
U35735	U35735	111000	GEN-2MN	Human RACH1 (RACH1) mRNA, complete cds	2619	2451T>C	3
U35735	U35735	111000	GEN-2MN	Human RACH1 (RACH1) mRNA, complete cds	2706	2538T>C	3
U36601	U36601	603268	GEN-IR	Heparan N-deacetylase/N-sulfotransferase-2	2727	2700T>G	3
U36601	U36601	603268	GEN-IR	Heparan N-deacetylase/N-sulfotransferase-2	2972	2945A>G	3
U37143	U37143	601258	GEN-2NS	Human cytochrome P450 monooxygenase CYP2J2 mRNA, complete cds	338	333G>C	S
U37143	U37143	601258	GEN-2NS	Human cytochrome P450 monooxygenase CYP2J2 mRNA, complete cds	1545	1540C>T	3
U53347	U53347	109190	GEN-34A	Human neutral amino acid transporter B mRNA, complete cds	2868	2249A>T	3
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	75	16T>C	C6R
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	150	91G>A	A31T
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	511	452C>T	T151I
U55206	U55206	None	GEN-35Z	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds	1161	1102A>G	3

U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	2706	2615T>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	2839	2748T>A	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	2908	2817A>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	3171	3080A>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	3171	3080A>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	3253	3162A>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	3255	3164A>G	3
U70867	U70867	601460	GEN-4S	prostaglandin transporter hPGT	3594	3503T>A	3
U79745	U79745	None	GEN-LPT	Homo sapiens monocarboxylate transporter homologue MCT6 mRNA, complete cds	2095	1930G>A	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1989	1811G>A	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	1996	1818C>T	3
U81375	U81375	602193	GEN-3VO	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	2045	1867T>C	3
U81800	U81800	None	GEN-3WB	Homo sapiens monocarboxylate transporter (MCT3) mRNA, complete cds	1624	1562G>C	3
U92314	U92314	604125	GEN-47U	Homo sapiens hydroxysteroid sulfotransferase SULT2B1a (HSST2)	1146	771C>T	S

				mRNA, complete cds			
U92314	U92314	604125	GEN-47U	Homo sapiens hydroxysteroid sulfotransferase SULT2B1a (HSST2) mRNA, complete cds	1164	789C>T	S
U92314	U92314	604125	GEN-47U	Homo sapiens hydroxysteroid sulfotransferase SULT2B1a (HSST2) mRNA, complete cds	1278	903T>C	S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	34	(-6)G>T	5
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	36	(-4)C>G	5
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	401	362G>A	G121E
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	431	392A>G	D131G
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1090	1051T>C	S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1091	1052T>G	L351W
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1531	1492A>C	T498P
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1533	1494C>A	S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1637	1598T>C	F533S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1707	1668C>T	S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1719	1680G>A	S
V00494	V00494	103600	GEN-TL	Human messenger RNA for serum albumin (HSA)	1926	1887T>A	3
V00594	V00594	156360	GEN-P6	Human mRNA for metallothionein from cadmium-treated cells	320	263G>C	3
X02317	X02317	147450	GEN-KM	Superoxide dismutase 1 (Cu/Zn)	614	550A>C	3
X02920	X02920	107400	GEN-PH	Human mRNA for alpha 1-	107	107T>C	L36P

				antitrypsin carboxyterminal region (aa 268-394)			
X02920	X02920	107400	GEN-PH	Human mRNA for alpha 1-antitrypsin carboxyterminal region (aa 268-394)	137	137G>A	S46N
X02920	X02920	107400	GEN-PH	Human mRNA for alpha 1-antitrypsin carboxyterminal region (aa 268-394)	195	195C>T	S
X02920	X02920	107400	GEN-PH	Human mRNA for alpha 1-antitrypsin carboxyterminal region (aa 268-394)	327	327A>C	E109D
X03438	X03438	138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	586	555G>A	S
X03438	X03438	138970	GEN-PM	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	1235	1204C>T	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3732	3432T>C	3
X03663	X03663	164770	GEN-51	Colony stimulating factor 1 receptor	3951	3651C>A	3
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	100	100C>T	P34S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	124	124G>A	G42R
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	137	137^138insT	F
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	271	271C>G	L91V
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	281	281A>G	H94R
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	294	294C>G	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	336	336C>T	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	408	408G>C	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	408	408G>C	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	454	454delT	F

X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	505	505G>T	F
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	635	635G>A	G212E
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	692	692T>C	L231P
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	696	696T>C	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	775	775delA	F
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	801	801C>A	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	836	836T>A	M279K
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	839	839-841AGA>AGA	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	839	839-841delAGA	K281del
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	840	840-842GAA>GA A	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	840	840-842delGAA	K281del
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	854	854A>G	N285S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	886	886C>T	R296C
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	971	971A>C	H324P
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	1108	1108G>A	V370I
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	1203	1203G>A	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	1262	1262T>C	L421P
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	1401	1401G>C	S
X08006	X08006	None	GEN-1FE	Human mRNA for cytochrome P450 db1	1457	1457G>C	S486T
X08006	X08006	None	GEN-	Human mRNA for	1457	1457G>C	S486T

			1FE	cytochrome P450 db1			
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	44	(-26)G>C	5
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	628	559A>T	T187S
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	646	577A>G	I193V
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	676	607T>C	F203L
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	823	754T>G	S252A
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	1361	1292T>C	I431T
X12387	X12387	124010	GEN-1LZ	Human mRNA for cytochrome P-450 (cyp3 locus)	2189	2120G>A	3
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	54	18G>T	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	441	405T>C	S
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	469	433G>C	E145Q
X13561	X13561	147910	GEN-1OH	Human mRNA for preprokallikrein (EC 3.4.21)	592	556A>G	K186E
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	364	240A>G	S
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	914	790C>T	R264C
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of	914	790C>T	R264C

				androgens)			
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1655	1531C>T	3
X13589	X13589	107910	GEN-56	Cytochrome P450, subfamily XIX (aromatization of androgens)	1796	1672G>T	3
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	60	51A>G	S
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	255	246T>C	S
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	272	263G>A	R88K
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1072	1063G>A	V355M
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1146	1137G>A	S
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1485	1476G>T	S
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1675	1666A>T	3
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1677	1668C>G	3
X13930	X13930	122720	GEN-1Q3	Human CYP2A4 mRNA for P-450 IIA4 protein	1697	1688C>A	3
X16699	X16699	124075	GEN-1YJ	Human mRNA for cytochrome P-450HP	1064	1064T>G	F355C
X52773	X52773	180245	GEN-74	Retinoid X receptor, alpha	1744	1669G>A	3
X56199	X56199	None	GEN-36T	Human XIST, coding sequence a mRNA (locus DXS399E)	1338	1339T>G	3
X57522	X57522	170260	GEN-37W	H.sapiens RING4 cDNA	1207	1177A>G	I393V
X57522	X57522	170260	GEN-37W	H.sapiens RING4 cDNA	2120	2090A>G	D697G
X59498	X59498	176300	GEN-RU	H.sapiens ttr mRNA for transthyretin	92	71G>A	G24D
X59498	X59498	176300	GEN-RU	H.sapiens ttr mRNA for transthyretin	177	156G>T	S

X59498	X59498	176300	GEN-RU	H.sapiens ttr mRNA for transthyretin	380	359C>T	S120F
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	102	(-257)G>A	5
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	336	(-23)C>T	5
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1173	815C>T	A272V
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1173	815C>T	A272V
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1399	1041C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1409	1051G>T	A351S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1482	1124C>T	T375M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1591	1233G>A	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1624	1266C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1637	1279C>A	P427T
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1651	1293C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1662	1304T>C	V435A
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1783	1425A>G	S

X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1794	1436C>T	T479M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1795	1437G>A	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	1981	1623C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2007	1649C>T	T550M
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2031	1673C>T	S558L
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2047	1689C>T	S
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2147	1789C>T	3
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2176	1818C>T	3
X60069	X60069	231950	GEN-3AJ	Human mRNA for pancreatic gamma-glutamyltransferase	2224	1866C>A	3
X63359	X63359	600070	GEN-3DC	H.sapiens UGT2B10 mRNA for udp glucuronosyltransferase	1516	1506C>T	S
X63359	X63359	600070	GEN-3DC	H.sapiens UGT2B10 mRNA for udp glucuronosyltransferase	2714	2704G>A	3
X63522	X63522	180246	GEN-75	MHC class I promoter binding protein	1331	1152T>C	S
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	63	40G>A	A14T
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	90	67A>G	K23E
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	125	102C>T	S

X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	131	108T>C	S
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	168	145A>G	I49V
X64177	X64177	156351	GEN-3EQ	H.sapiens mRNA for metallothionein	182	159G>A	S
X68836	X68836	601468	GEN-3IR	H.sapiens mRNA for S-adenosylmethionine synthetase	240	175G>A	V59I
X71440	X71440	None	GEN-3KS	H.sapiens mRNA for peroxisomal acyl-CoA oxidase	949	936G>C	M312I
X78282	X78282	601292	GEN-LVF	H.sapiens mRNA for aryl sulfotransferase (ST1A2)	895	895T>C	3
X79389	X79389	600436	GEN-3T7	H.sapiens GSTT1 mRNA	824	824T>C	3
X86681	X86681	602110	GEN-41E	H.sapiens mRNA for nucleolar protein; HNP36	1725	1340G>A	3
X90908	X90908	600422	GEN-LSA	H.sapiens mRNA for I-15P (I-BABP) protein	364	236C>T	T79M
X90999	X90999	138760	GEN-477	H.sapiens mRNA for Glyoxalase II	950	914A>G	3
X95190	X95190	601641	GEN-49Y	H.sapiens mRNA for Branched chain Acyl-CoA Oxidase	1394	1302C>T	S
X95190	X95190	601641	GEN-49Y	H.sapiens mRNA for Branched chain Acyl-CoA Oxidase	1934	1842C>A	S
X96395	X96395	601107	GEN-4AM	H.sapiens mRNA for canalicular multidrug resistance protein	848	811G>T	A271S
X97868	X97868	300003	GEN-LTH	H.sapiens mRNA for arylsulphatase	1652	1582T>C	Y528H
X98332	X98332	602607	GEN-MMA	H.sapiens mRNA for organic cation transporter, liver	630	558C>T	S
XDH	U06117	278300	GEN-194	Human xanthine dehydrogenase (XDH) mRNA, complete cds	3951	3888C>G	S
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin	431	389C>A	T130N

				4-hydroxylase)			
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	489	447T>C	S
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	491	449A>G	H150R
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	522	480G>T	K160N
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	525	483T>C	S
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	582	540C>T	S
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	583	541G>A	V181I
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	834	792C>G	I264M
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	999	957C>G	S
Y00498	Y00498	601129	GEN-9N	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	1539	1497T>C	3

Table 15. Identified Variances In Genes for Pathways Identified in Inflammation and Immune Disease

AB000221	AB000221	None	GEN-16K	Homo sapiens mRNA for CC chemokine, complete cds	427	364C>T	3
AB000509	AB000509	602356	GEN-161	Homo sapiens mRNA for TRAF5, complete cds	2185	2131A>T	3
AB000887	AB000887	602227	GEN-14F	Human mRNA for EBI1-ligand chemokine, complete cds	627	489G>A	3
AB002409	AB002409	602737	GEN-1A1	Homo sapiens mRNA for SLC, complete cds	794	736T>G	3
AB020680	AB020680	None	GEN-LAX	Homo sapiens mRNA for KIAA0873 protein, partial cds	3854	3854A>G	3
AC005775	AC005775	None	GEN-ML4	Homo sapiens chromosome 19, cosmid F20237	1492	1482G>A	3
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	365	365C>T	P122L
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	381	381G>A	S
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	624	624A>G	S
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	641	641C>T	P214L
AF000234	AF000234	600846	GEN-16J	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	1161	1161T>C	3
AF000571	AF000571	192500	GEN-15U	K+ channel (KvLQT1)	545	435C>T	S
AF000571	AF000571	192500	GEN-15U	K+ channel (KvLQT1)	1748	1638G>A	S
AF000571	AF000571	192500	GEN-15U	K+ channel (KvLQT1)	2360	2250G>A	3
AF000571	AF000571	192500	GEN-15U	K+ channel (KvLQT1)	2552	2442C>T	3
AF000571	AF000571	192500	GEN-	K+ channel (KvLQT1)	3016	2906A>G	3

			15U				
AF000571	AF000571	192500	GEN-15U	K+ channel (KvLQT1)	3073	2963A>G	3
AF001174	AF001174	602898	GEN-18T	Homo sapiens p38beta2 MAP kinase mRNA, complete cds	1044	1038T>C	S
AF004709	AF004709	602899	GEN-UX	Homo sapiens stress-activated protein kinase 4 mRNA, complete cds	432	384G>A	S
AF006689	AF006689	603014	GEN-YA	Homo sapiens MAP kinase kinase Jnkk2 mRNA, complete cds	75	(-1)G>A	5
AF009620	AF009620	601763	GEN-1HV	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	808	808C>G	H270D
AF009620	AF009620	601763	GEN-1HV	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	915	915G>A	S
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	234	95T>C	L32P
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	339	200C>T	A67V
AF012535	AF012535	None	GEN-1Z2	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	1397	1258G>C	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1023	987T>C	S
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1025	989T>C	F330S
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1090	1054G>C	E352Q
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1321	1285G>A	3

AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1424	1388C>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1512	1476G>A	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1743	1707A>G	3
AF016709	AF016709	602836	GEN-1NE	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	1858	1822A>G	3
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds	781	781G>A	3
AF021792	AF021792	603167	GEN-2A5	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds	883	883C>A	3
AF026070	AF026070	None	GEN-26S	Homo sapiens death receptor 3 beta (DR3) mRNA, complete cds	455	387A>G	S
AF026070	AF026070	None	GEN-26S	Homo sapiens death receptor 3 beta (DR3) mRNA, complete cds	1202	1134T>C	S
AF026070	AF026070	None	GEN-26S	Homo sapiens death receptor 3 beta (DR3) mRNA, complete cds	1204	1136T>G	L379R
AF026070	AF026070	None	GEN-26S	Homo sapiens death receptor 3 beta (DR3) mRNA, complete cds	1237	1169A>G	H390R
HRH1	AF026261	600167	GEN-26W	Histamine receptor H1	1068	1068A>G	S
AF029761	AF029761	None	GEN-MND	Homo sapiens decoy receptor 2 mRNA, complete cds	1011	929C>T	S310L
ITGA7	AF032108	600536	GEN-2NO	Homo sapiens integrin alpha-7 mRNA, complete cds	527	366G>A	S
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	273	273G>A	F
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678	295	295G>C	A99P

				mRNA, partial cds			
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	302	302C>T	T101I
TUBB	AF035316	191130	GEN-2IH	Homo sapiens clone 23678 mRNA, partial cds	1059	1059G>A	3
AF039400	AF039400	603906	GEN-MQY	Homo sapiens calcium-dependent chloride channel-1 (hCLCA1) mRNA, complete cds	2787	2436T>C	S
AF043472	AF043472	603888	GEN-2XX	Homo sapiens Shab-related delayed-rectifier K+ channel alpha subunit (KCNS3) mRNA, complete cds	1840	1709T>G	3
AF048837	AF048837	602973	GEN-LGG	Homo sapiens cGMP-specific phosphodiesterase (PDE9A2) mRNA, complete cds	1551	1491T>C	S
AF053712	AF053712	None	GEN-MM2	Homo sapiens osteoprotegerin ligand mRNA, complete cds	2086	1902T>G	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1972	1663G>A	3
AF058921	AF058921	None	GEN-LJY	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	1989	1680A>T	3
AF065164	AF065164	None	GEN-LKQ	Homo sapiens hyperpolarization-activated channel 1 (IH1) mRNA, partial cds	1980	1860T>C	S
AF094760	AF094760	None	GEN-LSB	Homo sapiens RFXANK (RFXANK) mRNA, complete cds	1038	621G>A	S
AF094760	AF094760	None	GEN-LSB	Homo sapiens RFXANK (RFXANK) mRNA, complete cds	1071	654C>T	S
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	149	100G>A	D34N
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	341	292G>T	V98L
D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	479	430A>T	N144Y

D00017	D00017	151740	GEN-2D	Lipocortin II (Annexin II)	1288	1239G>A	3
D12614	D12614	153440	GEN-QD	Human mRNA for lymphotoxin (TNF-beta), complete cds	319	179C>A	T60N
D13138	D13138	179780	GEN-1NW	Human mRNA for dipeptidase	566	523T>G	S175A
CYP11B2	D13752	124080	GEN-CCD	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	1600	1593G>A	3
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	277	148G>T	V50L
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1073	944G>A	R315K
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1083	954G>A	S
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	1773	1644C>T	3
D13811	D13811	238310	GEN-AA	Glycine cleavage system: Protein T	2037	1908C>T	3
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1035	599T>G	I200S
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1475	1039C>T	R347C
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	1475	1039C>T	R347C
D25235	D25235	104221	GEN-3	Adrenergic receptor alpha 1c	2048	1612C>T	3
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	726	635G>A	R212H
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1047	956C>G	S319W
D25418	D25418	600022	GEN-78	Prostaglandin I2 (prostacyclin) receptor (IP)	1075	984A>C	S
D26579	D26579	602267	GEN-2B1	Human mRNA for transmembrane protein, complete cds	709	700G>A	D234N
D26579	D26579	602267	GEN-2B1	Human mRNA for transmembrane protein, complete cds	909	900T>C	S
D26579	D26579	602267	GEN-2B1	Human mRNA for transmembrane protein,	999	990C>T	S

				complete cds			
D26579	D26579	602267	GEN-2B1	Human mRNA for transmembrane protein, complete cds	1104	1095A>G	S
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	25	(-47)G>A	5
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	1332	1261A>G	I421V
D32051	D32051	138440	GEN-4	Glycinamide ribonucleotide transformylase	1855	1784G>C	3
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	203	204C>G	3
PTGIR	D38128	600022	GEN-4DH	Human IP gene for prostacyclin receptor, exon 3	231	232C>A	3
D38145	D38145	601699	GEN-4E3	Human mRNA for prostacyclin synthase, complete cds	1646	1619T>C	3
NT5	D38524	129190	GEN-2PF	Human mRNA for 5-nucleotidase	3075	2992C>T	3
D42108	D42108	600597	GEN-2U4	Phospholipase C epsilon	1908	1705G>A	V569I
D42108	D42108	600597	GEN-2U4	Phospholipase C epsilon	2864	2661G>A	S
D42108	D42108	600597	GEN-2U4	Phospholipase C epsilon	4453	4250G>A	3
D45887	D45887	114182	GEN-BA	Calmodulin 1 (phosphorylase kinase, delta)	34	(-35)G>T	5
D49737	D49737	602413	GEN-2Z7	Homo sapiens mRNA for cytochrome b large subunit of complex II, complete cds	908	784G>A	3
D86955	D86955	601960	GEN-41O	Human mRNA for CC chemokine LARC precursor, complete cds	328	270T>C	S
D87461	D87461	601931	GEN-43N	Human mRNA for KIAA0271 gene, complete cds	2432	2256C>A	3
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor	2299	2096G>A	3

				acetylhydrolase 2, complete cds			
D87845	D87845	602344	GEN-44C	Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds	2332	2129A>G	3
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	434	(-1284)A>T	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	889	(-829)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	1156	(-562)G>C	5
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2644	927T>C	S
D89078	D89078	601531	GEN-7	P2Y7 purinoceptor	2920	1203A>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1449	969C>T	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1485	1005A>G	S
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	1834	1354C>G	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2228	1748G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2376	1896G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2764	2284G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2840	2360G>C	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	2935	2455G>A	3
EDNRA	D90348	131243	GEN-4DX	Endothelin Receptor Type A	3294	2814A>G	3
J00123	J00123	131330	GEN-MK4	Human enkephalin gene	81	81C>T	S
DHFR	J00140	126060	GEN-	Human dihydrofolate	721	679T>A	3

			4E9	reductase gene			
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	721	679T>A	3
DHFR	J00140	126060	GEN-4E9	Human dihydrofolate reductase gene	829	787C>T	3
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	106	71A>T	D24V
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	971	936T>C	S
CBG	J02943	122500	GEN-Y2	Human corticosteroid binding globulin mRNA, complete cds	1229	1194G>A	S
J03004	J03004	139360	GEN-79	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	758	681C>T	S
J03019	J03019	109630	GEN-4D6	Human beta-1-adrenergic receptor mRNA, complete cds	503	417G>A	S
J03143	J03143	107470	GEN-ZK	Human interferon-gamma receptor mRNA, complete cds	1098	1050T>G	S
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	133	133G>A	E45K
J03209	J03209	185250	GEN-PK	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	288	288C>T	S
J03210	J03210	120360	GEN-ZY	Human collagenase type IV mRNA, 3 end	721	721C>T	P241S
J03210	J03210	120360	GEN-ZY	Human collagenase type IV mRNA, 3 end	1759	1759C>T	P587S
J03250	J03250	172420	GEN-C4	DNA topoisomerase I	160	(-52)C>T	5
J03250	J03250	172420	GEN-C4	DNA topoisomerase I	590	379G>A	V127I
J03250	J03250	172420	GEN-C4	DNA topoisomerase I	1984	1773G>A	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	172	57C>T	S

J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	559	444C>T	S
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1704	1589C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1833	1718C>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1858	1743G>T	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	1959	1844A>C	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	2190	2075delT	F
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3301	3186C>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	3991	3876A>G	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03258	J03258	601769	GEN-2J	Vitamin D (1,25-dihydroxyvitamin D3) receptor	4187	4072G>A	3
J03459	J03459	151570	GEN-8	Leukotriene A4 hydrolase	140	72G>T	S
J03459	J03459	151570	GEN-8	Leukotriene A4 hydrolase	1511	1443A>T	E481D
C7	J03507	217070	GEN-11R	Human complement protein component C7 mRNA, complete cds	1951	1951G>A	V651I
C7	J03507	217070	GEN-11R	Human complement protein component C7 mRNA, complete cds	3032	3032T>C	3
C7	J03507	217070	GEN-11R	Human complement protein component C7 mRNA, complete cds	3634	3634A>G	3

C7	J03507	217070	GEN-11R	Human complement protein component C7 mRNA, complete cds	3831	3831A>G	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	55	21C>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	304	270G>A	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	959	925C>A	P309T
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	1762	1728A>T	S
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043AC>AC	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2076	2042-2043delAC	F
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2328	2294C>T	3
J03571	J03571	152390	GEN-9	Lipoxygenases: 5-lipoxygenase (leukocytes)	2376	2342T>G	3
PTHLH	J03580	168470	GEN-11U	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	975	37G>A	V13M
PTHLH	J03580	168470	GEN-11U	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	996	58G>A	V20M
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1202	1164C>T	S
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1237	1199T>G	I400S
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1372	1334C>G	P445R
J03853	J03853	104250	GEN-A	Adrenergic receptor alpha 2c	1379	1341C>T	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	454	401G>A	R134K

J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	969	916C>G	Q306E
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	1614	1561T>C	S
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2011	1958G>A	R653Q
J04031	J04031	172460	GEN-CB	Methenyltetrahydrofolate cyclohydrolase	2335	2282C>T	T761M
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	791	688C>T	3
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	881	778T>C	3
J04046	J04046	114183	GEN-13N	Human calmodulin mRNA, complete cds	1927	1824T>C	3
C1S	J04080	120580	GEN-13T	Complement C1S component precursor (C1 esterase)	558	356G>A	R119H
C1S	J04080	120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2140	1938A>T	K646N
C1S	J04080	120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2234	2032A>T	T678S
C1S	J04080	120580	GEN-13T	Complement C1S component precursor (C1 esterase)	2333	2131G>T	3
J04132	J04132	186780	GEN-KXY	Human T cell receptor zeta-chain mRNA, complete cds	1403	1329G>C	3
J04132	J04132	186780	GEN-KXY	Human T cell receptor zeta-chain mRNA, complete cds	1410	1336A>T	3
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	206	206G>A	R69H
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	1780	1780C>T	S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	2478	2478G>A	S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	2978	2978C>A	T993N
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3415	3415C>T	P1139S
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3661	3661C>T	3
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	3804	3804A>G	3
J04145	J04145	120980	GEN-B	Leukocyte integrin alpha-m	4071	4071G>A	3

SPN	J04168	182160	GEN-13W	Human leukosialin mRNA, complete cds	974	879C>T	S
SPN	J04168	182160	GEN-13W	Human leukosialin mRNA, complete cds	1328	1233G>C	3
J04208	J04208	146691	GEN-2M	IMP (inosine monophosphate) dehydrogenase 2	349	302C>G	A101G
J04208	J04208	146691	GEN-2M	IMP (inosine monophosphate) dehydrogenase 2	1570	1523C>T	S508L
G22P1	J04611	152690	GEN-153	Human lupus p70 (Ku) autoantigen protein mRNA, complete cds	1762	1729A>T	T577S
G22P1	J04611	152690	GEN-153	Human lupus p70 (Ku) autoantigen protein mRNA, complete cds	1812	1779T>G	S
G22P1	J04611	152690	GEN-153	Human lupus p70 (Ku) autoantigen protein mRNA, complete cds	1900	1867G>T	3
BPI	J04739	109195	GEN-15B	Human bactericidal permeability increasing protein (BPI) mRNA, complete cds	1525	1495G>A	3
C6	J05064	217050	GEN-16S	Human complement component C6 mRNA, complete cds	3281	3126G>A	3
J05480	J05480	114105	GEN-D	Calcineurin A	834	834A>G	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	173	156A>G	S
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	913	896C>G	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	950	933G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1448	1431G>A	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
J05594	J05594	601688	GEN-E	Prostaglandin 15-OH dehydrogenase (PGDH)	1972	1955T>C	3
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles)	112	52G>A	A18T

				mRNA			
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	121	61G>A	E21K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	151	91G>A	E31K
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	197	137T>C	L46P
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	204	144delG	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	238	178A>G	T60A
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	365	305C>G	P102R
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	409	349G>A	A117T
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	448	388T>C	C130R
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	494	434G>A	G145D
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	515	455G>A	R152Q
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	520	460C>A	R154S
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	538	478C>T	R160C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	547	487C>T	R163C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E	548	488G>A	R163H

				(epsilon 2 and 3 alleles) mRNA			
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	550	490A>G	K164E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	586	526C>T	R176C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	743	683G>A	F
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	785	725G>A	R242Q
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	796	736C>T	R246C
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	821	761T>A	V254E
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	865	805C>G	R269G
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	935	875G>A	R292H
K00396	K00396	107741	GEN-P0	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	1000	940A>C	S314R
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	297	283T>C	S
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	416	402C>A	S
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	665	651C>T	S
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	738	724G>T	V242L
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-	748	734G>A	S245N

				chain mRNA			
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	797	783A>G	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	842	828A>G	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	901	887G>A	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	928	914T>A	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	933	919T>A	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	942	928C>T	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	954	940G>A	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	999	985T>G	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	1035	1021A>C	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	1077	1063C>T	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	1091	1077C>G	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	1154	1140A>C	3
K01171	K01171	None	GEN-PB	Human HLA-DR alpha-chain mRNA	1171	1157T>A	3
KNG	K02566	228960	GEN-X2	Human alpha-2-thiol proteinase inhibitor mRNA, complete coding sequence	1248	1199C>A	T400K
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	1001	941T>C	L314P
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	2575	2515G>A	V839I
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits,	3108	3048C>T	S

				complete cds			
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	3561	3501C>G	S
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	4371	4311C>T	S
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	4544	4484C>A	P1495Q
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	4938	4878T>C	S
K02765	K02765	120700	GEN-XM	Human complement component C3 mRNA, alpha and beta subunits, complete cds	4956	4896T>C	S
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	19	(-68)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	26	(-61)A>C	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	48	(-39)C>T	5
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	114	28G>A	E10K
K02770	K02770	147720	GEN-5M	Interleukin 1, beta	119	33G>A	M11I
L01087	L01087	600448	GEN-CM	Protein kinase C-theta	1940	1846C>A	S
L01087	L01087	600448	GEN-CM	Protein kinase C-theta	1943	1849G>A	E617K
L04270	L04270	600979	GEN-144	Homo sapiens (clone CD18) tumor necrosis factor receptor 2 related protein mRNA, complete cds	1478	1310G>T	3
L05148	L05148	176947	GEN-KYC	Human protein tyrosine kinase related mRNA sequence	1886	1887G>A	3
L05597	L05597	None	GEN-4EV	Serotonin 5-HT receptors 5-HT1F	824	600T>C	S
L05597	L05597	None	GEN-4EV	Serotonin 5-HT receptors 5-HT1F	1010	786^787insA ATAAAATTC	[H262Q;262^263insI

						AT	KFI]
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	88	(-146)A>G	5
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	332	99C>T	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
EDNRB	L06623	131244	GEN-19S	Endothelin Receptor Type B	1064	831G>A	S
TGFBR3	L07594	600742	GEN-1EA	Human transforming growth factor-beta type III receptor (TGF-beta) mRNA, complete cds	3966	3618G>C	3
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	445	387G>A	S
L07861	L07861	176977	GEN-D0	Protein kinase C, delta	1835	1777G>A	V593M
CCKBR	L08112	118445	GEN-1FL	Cholecystokinin (CCKb)	456	456G>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	170	96C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	221	147C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	227	153C>G	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	239	165G>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	329	255C>A	S
MIF	L10612	153620	GEN-1J8	Human glycosylation-inhibiting factor mRNA, complete cds	445	371C>T	3
L10717	L10717	186973	GEN-1JB	Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds	856	(-1168)G>A	5
L10717	L10717	186973	GEN-1JB	Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds	1472	(-552)G>A	5

L10717	L10717	186973	GEN-1JB	Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds	4897	2874G>A	3
L10717	L10717	186973	GEN-1JB	Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds	5625	3602G>C	3
L10717	L10717	186973	GEN-1JB	Homo sapiens T cell-specific tyrosine kinase mRNA, complete cds	5628	3605A>C	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	191	153C>T	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	200	162G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	230	192T>C	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	242	204G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	295	257C>T	A86V
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	330	292G>A	D98N
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	338	300G>A	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	638	600C>G	S
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	676	638A>G	H213R
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA, complete cds	940	902G>A	3
L10819	L10819	171150	GEN-LVD	Homo sapiens aryl sulfotransferase mRNA,	1011	973T>C	3

				complete cds			
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4284	4154C>A	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4447	4317G>C	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4525	4395T>G	3
L11005	L11005	602841	GEN-1JU	Human aldehyde oxidase (hAOX) mRNA, complete cds	4675	4545G>A	3
C4BPB	L11244	120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	538	204G>A	S
C4BPB	L11244	120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	796	462C>T	S
C4BPB	L11244	120831	GEN-1K2	Human (clone A12) C4b-binding protein beta-chain mRNA, complete cds	958	624C>A	S
L11284	L11284	176872	GEN-1K8	Homosapiens ERK activator kinase (MEK1) mRNA	1763	1764T>C	3
L11284	L11284	176872	GEN-1K8	Homosapiens ERK activator kinase (MEK1) mRNA	1914	1915G>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	252	253C>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	276	277T>C	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	537	538C>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	613	614G>C	3
L11285	L11285	601263	GEN-	Homosapiens ERK	744	745A>C	3

			1K7	activator kinase (MEK2) mRNA			
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1156	1157G>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1311	1312C>T	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1457	1458C>A	3
L11285	L11285	601263	GEN-1K7	Homosapiens ERK activator kinase (MEK2) mRNA	1459	1460A>C	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1003	904C>A	L302I
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1283	1184A>G	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1479	1380T>A	3
L11667	L11667	601753	GEN-H	Cyclophilin D 40kDa	1519	1420T>C	3
L11931	L11931	182144	GEN-4DT	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds	1444	1420C>T	L474F
L11931	L11931	182144	GEN-4DT	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds	1541	1517C>T	3
L12052	L12052	171885	GEN-1LK	Human cAMP phosphodiesterase mRNA, 3 end	1707	1707G>A	3
L12691	L12691	125220	GEN-ST	Human neutrophil peptide-3 gene, complete cds	244	194A>C	D65A
L12691	L12691	125220	GEN-ST	Human neutrophil peptide-3 gene, complete cds	433	383T>C	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1467	1250C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1868	1651C>T	3

MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	1917	1700C>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	2962	2745G>T	3
MDCR	L13385	601545	GEN-1O6	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	4589	4372G>A	3
L14754	L14754	600502	GEN-D9	DNA-binding protein (SMBP2)	2129	2080C>T	R694W
L14754	L14754	600502	GEN-D9	DNA-binding protein (SMBP2)	2365	2316C>T	S
L14754	L14754	600502	GEN-D9	DNA-binding protein (SMBP2)	3696	3647C>T	3
L14754	L14754	600502	GEN-D9	DNA-binding protein (SMBP2)	3712	3663T>C	3
L14754	L14754	600502	GEN-D9	DNA-binding protein (SMBP2)	3771	3722C>G	3
BF	L15702	138470	GEN-1UA	Human complement factor B mRNA, complete cds	135	95A>G	Q32R
L19067	L19067	164014	GEN-DE	TRANSCRIPTION FACTOR P65	1129	1091C>T	S364L
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	243	105A>G	S
L19956	L19956	600641	GEN-LVE	Human aryl sulfotransferase mRNA, complete cds	284	146C>T	S49F
L20298	L20298	121360	GEN-DH	Transcription Factor (CBFB)	2696	2696A>G	3
L20463	L20463	600445	GEN-M	G-protein coupled adenosine A3 receptor	1671	1380A>G	3
L22214	L22214	102775	GEN-2S	Adenosine A1 receptor (ADORA1)	557	147G>C	S
L22214	L22214	102775	GEN-2S	Adenosine A1 receptor (ADORA1)	2622	2212G>A	3
L22473	L22473	600040	GEN-	Human Bax alpha mRNA,	552	552G>A	S

			L9D	complete cds			
SLC6A3	L24178	126455	GEN-283	Homo sapiens dopamine transporter mRNA, complete cds	1917	1898C>T	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1422	1185T>C	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1490	1253C>T	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	1517	1280A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2244	2007A>G	3
L24470	L24470	600563	GEN-O	PROSTAGLANDIN F RECEPTOR	2299	2062A>G	3
OPRM1	L25119	600018	GEN-4EP	Human Mu oplate receptor (MOR1) mRNA, complete cds	41	(-172)G>T	5
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	102	(-111)C>T	5
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	229	17C>T	A6V
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	229	17C>T	A6V
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	236	24G>A	S
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	330	118A>G	N40D
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	330	118A>G	N40D
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	991	779G>A	R260H
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1005	793C>T	R265C

OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1154	942G>A	S
OPRM1	L25119	600018	GEN-4EP	Human Mu opiate receptor (MOR1) mRNA, complete cds	1154	942G>A	S
L25259	L25259	601020	GEN-298	Human CTLA4 counter-receptor (B7-2) mRNA, complete cds	1034	928G>A	A310T
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	547	159C>T	S
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	611	223G>A	V75M
PTGER2	L28175	601586	GEN-7C	Prostaglandin E receptor 2 (subtype EP2), 53kD	1725	1337A>G	Q446R
L31584	L31584	600242	GEN-MDW	Human G protein-coupled receptor (EBI 1) gene	608	545T>G	I182S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	171	171C>T	S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	534	534C>T	S
L31773	L31773	104220	GEN-4DD	Adrenergic receptor alpha 1b	549	549G>A	S
NRAMP1	L32185	600266	GEN-2IY	Homo sapiens integral membrane protein (NRAMP1) mRNA, complete cds	1399	1323C>T	S
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5667	5442C>G	S
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5669	5444G>C	G1815A
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5745	5520C>G	D1840E
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5941	5716C>A	3
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5971	5746C>A	3
L33798	L33798	114208	GEN-Q	Ca Channel alpha1s L-Type	5985	5760G>A	3
L36719	L36719	602315	GEN-2NE	Homo sapiens MAP kinase kinase 3 (MKK3) mRNA,	1227	890C>A	T297N

				complete cds			
L36719	L36719	602315	GEN-2NE	Homo sapiens MAP kinase kinase 3 (MKK3) mRNA, complete cds	1271	934A>G	K312E
NRAMP2	L37347	600523	GEN-2O6	Human integral membrane protein (Nramp2) mRNA, partial	1092	1083C>T	S
ALCAM	L38608	601662	GEN-2PJ	Homo sapiens CD6 ligand (ALCAM) mRNA, complete cds	1401	1338G>A	S
L38928	L38928	None	GEN-2PT	Homo sapiens 5,10-methenyltetrahydrofolate synthetase mRNA, complete cds	617	604A>G	T202A
L40992	L40992	600211	GEN-2SO	Homo sapiens (clone PEBP2aA1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA, 3 end of cds	265	265G>A	V89I
L76191	L76191	601108	GEN-3OQ	Homo sapiens interleukin-1 receptor-associated kinase (IRAK) mRNA, complete cds	902	823G>T	A275S
L76191	L76191	601108	GEN-3OQ	Homo sapiens interleukin-1 receptor-associated kinase (IRAK) mRNA, complete cds	1051	972G>A	S
L76191	L76191	601108	GEN-3OQ	Homo sapiens interleukin-1 receptor-associated kinase (IRAK) mRNA, complete cds	2191	2112C>T	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	1220	1088A>G	N363S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893AG>AG	S
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2024	1892-1893delAG	F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2054	1922A>T	D641V
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2372	2240T>G	I747S

M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>C	L753F
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear receptor b	2391	2259A>T	L753F
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	2166	2034C>T	S
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	3
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	3
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	1573	1530T>A	S
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	1799	1756C>T	F
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	3041	2998G>A	V1000I
M11313	M11313	103950	GEN-E7	alpha-2-macroglobulin	4474	4431A>C	3
M12807	M12807	186940	GEN-QG	Human T-cell surface glycoprotein T4 mRNA, complete cds	868	793C>T	R265W
M12824	M12824	186910	GEN-QH	Human T-cell differentiation antigen Leu-2/T8 mRNA, partial cds	1545	1458C>T	3
M12824	M12824	186910	GEN-QH	Human T-cell differentiation antigen Leu-2/T8 mRNA, partial cds	1765	1678C>T	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	431	295T>G	S99A
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1060	924T>C	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1129	993C>A	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1343	1207T>C	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1345	1209G>C	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1394	1258T>G	3
M12959	M12959	186880	GEN-S	CD3 glycoprotein on T lymphocytes	1463	1327G>A	3
C1NH	M13690	106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1475	1438G>A	V480M
C1NH	M13690	106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1595	1558C>T	3

C1NH	M13690	106100	GEN-1P6	Human plasma protease (C1) inhibitor mRNA, complete cds	1714	1677A>C	3
BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	1744	286G>A	A96T
BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	1786	328G>C	G110R
BCL2	M13994	151430	GEN-1Q9	Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds	2959	1501A>G	3
C1R	M14058	216950	GEN-1QJ	Human complement C1r mRNA, complete cds	1519	1456C>T	R486C
ARG1	M14502	207800	GEN-1RE	Human liver arginase mRNA, complete cds	800	744C>T	S
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2716	2603C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2729	2616C>T	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	2912	2799G>A	3
NGFR	M14764	162010	GEN-1S8	Human nerve growth factor receptor mRNA, complete cds	3252	3139C>G	3
M14766	M14766	151445	GEN-QQ	Human Fc-epsilon receptor CD23 antigen (IgE receptor) mRNA complete cds	1338	1153G>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	466	(-1122)C>G	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	565	(-1023)G>A	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1182	(-406)C>T	5

M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1221	(-367)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1326	(-262)G>A	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1541	(-47)C>T	5
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1666	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1687	100G>A	V34M
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	1839	252G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2110	523C>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2640	1053G>C	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2826	1239G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2862	1275C>G	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2864	1277C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	2865	1278C>A	3
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor	3371	1784A>T	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	890	818G>A	G273E
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	978	906A>G	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1173	1101C>A	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1395	1323T>C	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1614	1542C>T	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	1965	1893C>T	S
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2505	2433G>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2505	2433G>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2528	2456C>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2528	2456C>A	3
M15395	M15395	600065	GEN-U	Leukocyte integrin beta-2	2553	2481G>C	3
DAF	M15799	125240	GEN-1UD	Human complement decay-accelerating factor (DAF) mRNA, 3 end	1160	1160A>C	3
M16405	M16405	None	GEN-4ES	Muscarinic receptor, CHRM4	2138	1338C>T	S
M16405	M16405	None	GEN-4ES	Muscarinic receptor, CHRM4	2409	1609G>A	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	422	293A>G	D98G

M16541	M16541	177400	GEN-35	Butyrylcholinesterase	557	428G>A	G143D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	564	435-436TT>AG>AG	F146V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	568	439C>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	596	467A>G	Y156C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	941	812C>T	T271M
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	961	832A>C	T278P
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	978	849G>C	E283D
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1201	1072T>A	L358I
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1306	1177G>A	G393R
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1382	1253G>T	G418V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1549	1420T>G	F474V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1564	1435G>T	F
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1703	1574A>T	E525V
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1756	1627C>T	R543C
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	1828	1699G>A	A567T
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
M16541	M16541	177400	GEN-35	Butyrylcholinesterase	2127	1998A>G	3
C8B	M16973	120960	GEN-1ZA	Human complement protein C8 beta subunit mRNA, complete cds	1860	1833C>T	3
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	224	224G>A	R75H
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	330	330C>T	S
CYP21	M17252	201910	GEN-201	Human cytochrome P450c21 mRNA, 3 end	745	745T>C	3
C8G	M17999	120930	GEN-20Y	Human complement component C8-gamma mRNA, complete cds	193	132T>G	S
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	156	143G>T	C48F
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	638	625T>C	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	825	812A>G	3

M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	876	863T>C	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	939	926C>T	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	973	960T>C	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	981	968A>G	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	1018	1005G>A	3
M19045	M19045	153450	GEN-QZ	Human lysozyme mRNA, complete cds	1304	1291C>T	3
M20137	M20137	147740	GEN-CCJ	Human interleukin 3 (IL-3) mRNA, complete cds, clone pcD-SR-alpha	132	79C>T	P27S
M20566	M20566	147880	GEN-3A	Interleukin 6A	3058	2621A>T	3
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	331	294G>A	S
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2) lung	400	363C>A	D121E
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	234	208C>T	R70C
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	524	498T>C	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	634	608C>T	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	666	640C>T	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	667	641G>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	690	664G>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	695	669C>T	3

SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	696	670G>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	698	672G>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	702	676C>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	719	693C>T	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	728	702G>A	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	735	709C>T	3
SCYA5	M21121	187011	GEN-24E	Human T cell-specific protein (RANTES) mRNA, complete cds	736	710G>A	3
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	1052	932C>T	A311V
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	2168	2048C>G	T683S
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	2375	2255G>A	S752N
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	2505	2385C>T	S
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	3053	2933G>C	3

M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	3299	3179A>G	3
M22324	M22324	151530	GEN-25R	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	3405	3285C>T	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	116	(-20)G>T	5
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	231	96G>C	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	267	132C>T	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144GT>GT	S
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	278	143-144delGT	F
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	643	508C>T	3
PLA2G2A	M22430	172411	GEN-25V	Human RASF-A PLA2 mRNA, complete cds	700	565G>C	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	238	167A>T	K56M
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	238	167A>T	K56M
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	792	721G>A	G241R
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	792	721G>A	G241R
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1126	1055C>T	P352L
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1166	1095C>T	S
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1295	1224G>A	S
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1476	1405A>G	K469E
M24283	M24283	147840	GEN-V	Intercellular adhesion	1476	1405A>G	K469E

				molecule 1			
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	1476	1405A>G	K469E
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2043	1972C>T	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2043	1972C>T	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2551	2480C>T	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2681	2610G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2842	2771G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2842	2771G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2935	2864T>C	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2938	2867G>A	3
M24283	M24283	147840	GEN-V	Intercellular adhesion molecule 1	2950	2879C>T	3
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	79	(-132)C>A	5
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	341	131T>G	L44R
CD36	M24795	173510	GEN-28R	Human CD36 antigen mRNA, complete cds	1851	1641A>G	3
M24857	M24857	180190	GEN-80	Retinoic acid receptor, gamma 1	1694	1280C>T	S427L
SELL	M25280	153240	GEN-29J	Human lymph node homing receptor mRNA, complete cds	436	321T>C	S
SELL	M25280	153240	GEN-29J	Human lymph node homing receptor mRNA, complete cds	692	577C>T	L193F
SELL	M25280	153240	GEN-29J	Human lymph node homing receptor mRNA, complete cds	1378	1263C>T	3
SELL	M25280	153240	GEN-29J	Human lymph node homing receptor mRNA, complete cds	2157	2042A>C	3

SELL	M25280	153240	GEN-29J	Human lymph node homing receptor mRNA, complete cds	2215	2100C>G	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	32	(-52)T>C	5
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	67	(-17)G>A	5
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	110	27T>C	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	153	70T>C	S24P
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	203	120G>A	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	263	180C>T	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	264	181G>A	G61S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	285	202C>A	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	288	205A>G	S69G
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential	291	208C>G	R70G

SCYA3	M25315	601395	GEN-29M	lymphokine/cytokine mRNA, complete cds Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	335	252T>C	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	341	258C>T	S
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	395	312G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	452	369C>T	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	479	396G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	549	466G>A	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	561	478C>T	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	617	534C>G	3
SCYA3	M25315	601395	GEN-29M	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	660	577A>G	3
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	1357	1357G>A	V453I

M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	2082	2082C>G	I694M
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	2502	2502G>A	3
M25813	M25813	None	GEN-2A0	Human unidentified gene complementary to P450c21 gene, partial cds	2626	2626A>G	3
M26383	M26383	146930	GEN-3E	Interleukin 8	259	185C>G	A62G
M26383	M26383	146930	GEN-3E	Interleukin 8	1237	1163A>T	3
M26383	M26383	146930	GEN-3E	Interleukin 8	1281	1207A>G	3
M27492	M27492	147810	GEN-3F	INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	4686	4604T>G	3
M28226	M28226	158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	90	44C>G	A15G
M28226	M28226	158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	151	105C>T	S
M28226	M28226	158105	GEN-R8	Human JE gene encoding a monocyte secretory protein mRNA, complete cds	411	365T>C	3
POMC	M28636	176830	GEN-2DG	Adrenocorticotropic hormone (ACTH)	92	92C>T	3
CFTR	M28668	602421	GEN-2DF	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR)	2729	2597G>A	C866Y
CFTR	M28668	602421	GEN-2DF	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR)	5826	5694T>C	3
CD1B	M28826	188360	GEN-2DO	Human thymocyte antigen CD1b mRNA, complete	886	841G>A	V281M

				cds			
M29551	M29551	114106	GEN-F3	SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM	936	820G>A	V274M
M29551	M29551	114106	GEN-F3	SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM	2640	2524G>A	3
M29696	M29696	146661	GEN-3H	Interleukin 7 receptor	1088	1066G>A	V356I
M30640	M30640	131210	GEN-RB	Human endothelial leukocyte adhesion molecule I (ELAM1) mRNA, complete cds	3506	3366A>G	3
M30773	M30773	114106	GEN-X	Calcineurin B type I	331	(-428)T>C	5
M30773	M30773	114106	GEN-X	Calcineurin B type I	1658	900C>A	3
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	1599	1572A>G	S
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	2549	2522T>C	3
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	2953	2926C>A	3
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	2953	2926C>A	3
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	3037	3010G>A	3
M30938	M30938	194364	GEN-F5	ATP-DEPENDENT DNA HELICASE II, 86 KD SUBUNIT	3067	3040G>A	3
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	1321	1291G>A	G431S
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer	1323	1293C>T	S

				binding factors E12/E47)			
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	1332	1302G>A	S
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	1338	1308T>C	S
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	1608	1578C>G	S
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	4022	3992G>A	3
M31523	M31523	147141	GEN-F7	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	4254	4224T>A	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	676	587T>G	M196R
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1176	1087G>A	A363T
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	1668	1579G>T	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	2898	2809G>A	3
M32315	M32315	191191	GEN-3M	Tumor necrosis factor receptor 2 (75kD)	3671	3582G>A	3
VEGF	M32977	192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	50	(-7)C>T	5
VEGF	M32977	192240	GEN-2JF	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	92	36C>T	S
M33195	M33195	147139	GEN-2JR	Human Fc-epsilon-receptor gamma-chain mRNA, complete cds	446	421T>G	3
M33195	M33195	147139	GEN-2JR	Human Fc-epsilon-receptor gamma-chain mRNA, complete cds	489	464T>C	3
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3	92	92C>T	S31L

				end			
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	392	392C>G	T131R
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	609	609G>A	S
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	707	707G>A	C236Y
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	730	730G>A	A244T
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	837	837T>G	3
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	840	840G>T	3
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	1008	1008T>C	3
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	1050	1050C>T	3
M33491	M33491	191080	GEN-RD	Human tryptase-I mRNA, 3 end	1060	1060A>G	3
M33680	M33680	186845	GEN-2K3	Human 26-kDa cell surface protein TAPA-1 mRNA, complete cds	1065	827G>A	3
M33680	M33680	186845	GEN-2K3	Human 26-kDa cell surface protein TAPA-1 mRNA, complete cds	1284	1046T>C	3
M33680	M33680	186845	GEN-2K3	Human 26-kDa cell surface protein TAPA-1 mRNA, complete cds	1412	1174C>T	3
M33680	M33680	186845	GEN-2K3	Human 26-kDa cell surface protein TAPA-1 mRNA, complete cds	1416	1178G>A	3
HLA-DQB1	M33907	142857	GEN-2KB	Human MHC class II HLA-DQB1 mRNA, complete cds	561	516T>C	S
HLA-DQB1	M33907	142857	GEN-2KB	Human MHC class II HLA-DQB1 mRNA, complete cds	641	596G>A	R199H
HLA-DQB1	M33907	142857	GEN-2KB	Human MHC class II HLA-DQB1 mRNA, complete cds	648	603C>T	S
HLA-	M33907	142857	GEN-	Human MHC class II HLA-	695	650T>C	I217T

DQB1			2KB	DQB1 mRNA, complete cds			
HLA-DQB1	M33907	142857	GEN-2KB	Human MHC class II HLA-DQB1 mRNA, complete cds	771	726G>C	S
HLA-DQB1	M33907	142857	GEN-2KB	Human MHC class II HLA-DQB1 mRNA, complete cds	780	735C>T	S
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	449	371A>G	3
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	486	408G>A	3
M34539	M34539	186945	GEN-3N	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	650	572T>C	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	1448	1419C>T	S
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	2778	2749A>C	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	2904	2875T>C	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	3077	3048G>A	3
M35011	M35011	147561	GEN-2LV	Human integrin beta-5 subunit mRNA, complete cds	3095	3066T>A	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	53	35T>C	V12A
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	149	131C>A	A44D
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	194	176T>C	L59P
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	364	346C>T	L116F
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	900	882T>C	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	987	969G>T	E323D
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	S

M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1562	1544G>A	R515Q
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2226	2208C>T	S
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2426	2408G>C	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3056	3038C>T	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3098	3080A>G	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3403	3385A>T	3
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3927	3909C>T	3
LIG1	M36067	126391	GEN-2MS	Human DNA ligase I mRNA, complete cds	2526	2406T>C	S
M36712	M36712	186730	GEN-2NC	Human T lymphocyte surface glycoprotein (CD8-beta) mRNA, complete cds	1046	1001C>A	3
M36712	M36712	186730	GEN-2NC	Human T lymphocyte surface glycoprotein (CD8-beta) mRNA, complete cds	1281	1236T>C	3
M36712	M36712	186730	GEN-2NC	Human T lymphocyte surface glycoprotein (CD8-beta) mRNA, complete cds	1326	1281C>A	3
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	449	297A>G	S
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	883	731A>G	H244R
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	922	770A>T	H257L
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	954	802C>T	R268W
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	1301	1149T>C	S
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	1649	1497T>C	S
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	2666	2514G>A	S
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	3245	3093C>T	S
PLCG2	M37238	600220	GEN-	Phospholipase C gamma-2	3245	3093C>T	S

			2O1				
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	3436	3284G>A	G1095D
PLCG2	M37238	600220	GEN-2O1	Phospholipase C gamma-2	4207	4055C>G	3
PECAM1	M37780	173445	GEN-2OL	Human leukocyte surface protein (CD31) mRNA, complete cds	152	27C>G	S
PECAM1	M37780	173445	GEN-2OL	Human leukocyte surface protein (CD31) mRNA, complete cds	1577	1452C>T	S
PECAM1	M37780	173445	GEN-2OL	Human leukocyte surface protein (CD31) mRNA, complete cds	1813	1688A>G	N563S
PECAM1	M37780	173445	GEN-2OL	Human leukocyte surface protein (CD31) mRNA, complete cds	2133	2008G>A	G670R
PECAM1	M37780	173445	GEN-2OL	Human leukocyte surface protein (CD31) mRNA, complete cds	2400	2275G>A	3
CD9	M38690	143030	GEN-2PK	Human CD9 antigen mRNA, complete cds	819	768T>G	3
CD9	M38690	143030	GEN-2PK	Human CD9 antigen mRNA, complete cds	826	775T>G	3
CD9	M38690	143030	GEN-2PK	Human CD9 antigen mRNA, complete cds	947	896G>A	3
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	323	167C>T	P56L
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1154	998T>A	V333E
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1213	1057C>A	H353N
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1482	1326G>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1587	1431C>T	S
M55040	M55040	100740	GEN-3Q	acetylcholinesterase	1663	1507T>C	F503L
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	193	45T>C	S
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	1007	859A>C	S287R
CSNK2A1	M55265	115440	GEN-	Human casein kinase II	1180	1032G>A	S

			35Y	alpha subunit mRNA, complete cds			
CSNK2A1	M55265	115440	GEN-35Y	Human casein kinase II alpha subunit mRNA, complete cds	1199	1051A>G	M351V
CSNK2A2	M55268	115442	GEN-35X	Human casein kinase II alpha subunit mRNA, complete cds	1532	1369C>A	3
M55643	M55643	164011	GEN-RP	Human factor KBF1 mRNA, complete cds	1936	1755G>A	S
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	68	68T>C	I23T
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	951	951G>A	S
M57414	M57414	None	GEN-4FK	Human neurokinin A receptor (NK-2R) mRNA, complete cds	1171	1171C>G	P391A
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	390	186T>C	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	418	214G>T	A72S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	423	219G>A	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	612	408C>G	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	676	472A>G	M158V
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	813	609C>T	S
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1031	827delC	F
M58525	M58525	116790	GEN-3S	Catechol-O-methyltransferase	1039	835C>A	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA,	226	170C>T	A57V

				complete cds			
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	570	514A>T	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1109	1053A>G	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1334	1278C>G	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1345	1289T>C	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1374	1318C>T	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1403	1347C>T	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1408	1352T>G	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1415	1359C>A	3
M58664	M58664	103000	GEN-395	Homo sapiens CD24 signal transducer mRNA, complete cds	1677	1621A>G	3
CD48	M59904	109530	GEN-3AE	Human pan-leukocyte antigen (CD48) mRNA, complete cds	903	886T>G	3
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	644	639C>A	S
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	1892	1887C>A	3
M59979	M59979	176805	GEN-Z	Cyclooxygenase 1 COX1	2030	2025G>A	3
M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	1562	1463A>G	H488R
M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	2178	2079C>T	S
M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	2178	2079C>T	S

M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	2196	2097T>C	S
M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	2307	2208A>G	S
M60335	M60335	192225	GEN-3U	Vascular cell adhesion molecule 1	2321	2222T>C	3
TCN2	M60396	275350	GEN-3AX	Human transcobalamin II (TCII) mRNA, complete cds	1164	1127C>T	S376L
TCN2	M60396	275350	GEN-3AX	Human transcobalamin II (TCII) mRNA, complete cds	1765	1728T>C	3
FPR1	M60626	136537	GEN-3B5	Human N-formylpeptide receptor (fMLP-R98) mRNA, complete cds	1082	1037C>A	A346E
FPR1	M60626	136537	GEN-3B5	Human N-formylpeptide receptor (fMLP-R98) mRNA, complete cds	1164	1119G>C	3
M60857	M60857	123841	GEN-10	Cyclophilin B	183	171C>T	S
M60857	M60857	123841	GEN-10	Cyclophilin B	217	205G>T	V69L
M60857	M60857	123841	GEN-10	Cyclophilin B	702	690C>T	3
M60857	M60857	123841	GEN-10	Cyclophilin B	804	792A>C	3
CD53	M60871	151525	GEN-3BA	Human cell surface antigen (CD53) mRNA, complete cds	645	572G>A	C191Y
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	693	669A>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	723	699T>C	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	849	825T>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	858	834G>A	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1033	1009T>C	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1053	1029C>G	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1131	1107G>A	S
M61764	M61764	191135	GEN-FO	Tubulin, gamma polypeptide	1188	1164C>T	S

M64592	M64592	120420	GEN-3X	Granulocyte colony-stimulating factor	271	271T>G	Y91D
M64592	M64592	120420	GEN-3X	Granulocyte colony-stimulating factor	1533	1533C>T	S
M64799	M64799	None	GEN-4DN	Histamine receptor H2	398	398T>C	V133A
M64799	M64799	None	GEN-4DN	Histamine receptor H2	525	525A>T	K175N
M64799	M64799	None	GEN-4DN	Histamine receptor H2	620	620A>G	K207R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	649	649A>G	N217D
M64799	M64799	None	GEN-4DN	Histamine receptor H2	692	692A>G	K231R
M64799	M64799	None	GEN-4DN	Histamine receptor H2	802	802G>A	V268M
C5	M65134	120900	GEN-3FT	Human complement component C5 mRNA, 3end	1171	1171A>G	I391V
EDN2	M65199	131241	GEN-CBS	Endothelin 2	384	314C>T	A105V
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
EDN2	M65199	131241	GEN-CBS	Endothelin 2	997	927A>G	3
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1500	1353T>A	S
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1512	1365G>A	F
M67439	M67439	126453	GEN-4EI	Dopamine Receptor D5	1566	1419G>A	S
M68892	M68892	147559	GEN-15	Leukocyte integrin beta-7	1327	1176C>T	S
M69043	M69043	164008	GEN-3IZ	Homo sapiens MAD-3 mRNA encoding IkB-like activity, complete cds	400	306T>C	S
M69043	M69043	164008	GEN-3IZ	Homo sapiens MAD-3 mRNA encoding IkB-like activity, complete cds	1050	956T>C	3
M69043	M69043	164008	GEN-3IZ	Homo sapiens MAD-3 mRNA encoding IkB-like activity, complete cds	1119	1025G>A	3
M69043	M69043	164008	GEN-3IZ	Homo sapiens MAD-3 mRNA encoding IkB-like activity, complete cds	1174	1080A>G	3

M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	435	385A>C	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	936	886C>T	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	941	891T>G	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1076	1026A>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1373	1323G>A	F
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1460	1410C>T	S
M69226	M69226	309850	GEN-3Z	Monoamine oxidase A	1609	1559A>G	K520R
M71246	M71246	None	GEN-3KO	Interferon alpha 17	131	131A>C	H44P
M71246	M71246	None	GEN-3KO	Interferon alpha 17	483	483C>T	S
M71246	M71246	None	GEN-3KO	Interferon alpha 17	512	512G>T	R171I
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	2673	85G>A	A29T
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	3090	502G>A	V168M
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	4101	1513G>A	D505N
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	4211	1623T>C	S
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	4325	1737G>C	E579D
M73700	M73700	150210	GEN-S6	Human neutrophil lactoferrin mRNA, complete cds and 5 promoter region	4482	1894C>T	S
M74782	M74782	308385	GEN-64	Interleukin 3 receptor,alpha	1396	1250C>T	3

				(low affininty)			
CD79B	M80461	147245	GEN-3UT	Human B29 mRNA, complete cds	795	781C>T	3
CD79B	M80461	147245	GEN-3UT	Human B29 mRNA, complete cds	804	790C>A	3
CD79B	M80461	147245	GEN-3UT	Human B29 mRNA, complete cds	1033	1019C>T	3
M80462	M80462	112205	GEN-3US	Human MB-1 mRNA, complete cds	241	205G>A	V69I
M80646	M80646	274180	GEN-40	Thromboxane synthase	756	585G>C	S
M80646	M80646	274180	GEN-40	Thromboxane synthase	1240	1069C>G	L357V
CD34	M81104	142230	GEN-3VN	Human CD34 mRNA, complete cds	1338	1045A>G	K349E
CD34	M81104	142230	GEN-3VN	Human CD34 mRNA, complete cds	2490	2197G>A	3
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	190	129C>T	S
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	432	371T>G	F124C
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	922	861G>C	S
M81590	M81590	182131	GEN-3VZ	Serotonin 5-HT receptors 5-HT1D	1241	1180G>A	3
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	1834	1770G>C	S
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	3282	3218C>T	T1073M
M81695	M81695	151510	GEN-17	Leukocyte integrin alpha-x	4213	4149C>G	3
TAC1R	M81797	162323	GEN-3W8	Tachylinins NK1 receptor	696	652G>A	V218I
TAC1R	M81797	162323	GEN-3W8	Tachylinins NK1 receptor	1397	1353G>C	3
M83566	M83566	114206	GEN-3Y7	Human neuroendocrine/beta-cell-type calcium channel alpha-1 subunit mRNA, complete cds	1222	1104C>T	S
M83566	M83566	114206	GEN-3Y7	Human neuroendocrine/beta-cell-type calcium channel alpha-1 subunit mRNA, complete cds	1468	1350G>A	S